Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



1292.9 So3WAt

United States Department of Agriculture

Soil Conservation Service

Boise Idaho



WATER SUPPLY OUTLOOK FOR IDAHO

in Cooperation with Idaho State Department of Water Resources, Idaho Soil Conservation Districts, and NOAA, National Weather Service



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Up to 75 percent of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data effecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent as surveyed and marked locations in mountain areas. These measurements are repeated in the same location near the same dates each year. Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Snotel (snow telemetry) networks of automatic snow water equivalent and related data sensing devices, are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. A joint Soil Conservation Service and National Weather Service report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs. This report can be obtained from Soil Conservation Service, National Technical Center, Rm. 510, 511 NW Broadway, Portland, Oregon 97209.

In California, the program is coordinated by the California Department of Water Resources. The Canadian provinces of British Columbia and Alberta have comparable programs.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states.

STATE

ADDRESS

| Alaska | Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504 |
|--------------------|--|
| Arizona | Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | 2490 W. 26th Ave., Diamond Hill, Bldg. A, Denver, Colorado 80211 |
| Idaho | Room 345, 304 N. 8th St., Boise, Idaho 83702 |
| Montana | Room 443, Federal Building, 10 East Babcock, Bozeman, Montana 59715 |
| Nevada | 50 S. Virginia Street, P. O. Box 4850, Reno, Nevada 89505 |
| Oregon | 1220 S.W. Third Ave., Portland, Oregon 97204 |
| Utah | 4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138 |
| Washington | 360 U.S. Court House, Spokane, Washington 99201 |
| Wyoming | Federal Office Building, 100 East B. Street, Casper, Wyoming 82601 |

WATER SUPPLY OUTLOOK

FOR

IDAHO

and

Federal-State-Private Cooperative Snow Surveys

Issued by

Peter C. Meyers
Chief
Soil Conservation Service
Washington, D. C.

Released by

Stanley N. Hobson State Conservationist Soil Conservation Service Boise, Idaho

In cooperation with

A. Kenneth Dunn
Director
Idaho Department of Water Resources
Boise, Idaho

and

Soil Conservation Districts
NOAA-National Weather Service
Idaho Power Company
FMC Corporation
Washington Water Power Company

Report prepared by Snow Survey Staff

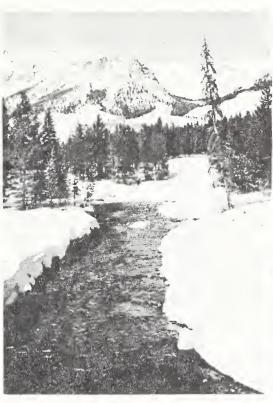
Gerald A. Beard Snow Survey Supervisor Soil Conservation Service Boise, Idaho

Soil Conservation Service Snow Survey Office Rm. 345, 304 No. 8th Street Boise, Idaho 83702



WATER SUPPLY OUTLOOK for IDAHO







GENERAL STATEMENT FOR JANUARY 1, 1985

Snow surveys taken near January 1, 1985 show snow pack conditions are above to well above average throughout the state for this time of year. The exceptions are in the Little Lost River drainage and the Beaver-Camas Creek drainages near Dubois where snow pack conditions are near normal. Current conditions range from a low of 98 percent of average on the Beaver-Camas Creek drainage to a high of 190 percent of normal on the St. Joe River drainage in north Idaho. Many stations in the Idaho Panhandle from Orofino north reported record or near record high snow water contents for January 1.

Snow accumulation began earlier than normal across most of Idaho and continued to build rapidly as a result of above normal precipitation and cold temperatures during October and November. Precipitation was below normal in December, however, except for areas in the north where stations continued to report 110 to 130 percent of normal for the north. Central Idaho precipitation was 75 to 90 percent of normal for December while the southern part of the state reported only 50 percent of average. For the state, precipitation was about 75 percent of the norm.

December was very cold. Temperatures across the entire state averaged well below normal. Twin Falls recorded the coldest December since their records began while Boise had the third coldest ever. The lowest temperature in the state was at Stanley at a chilly 38 degrees below zero.

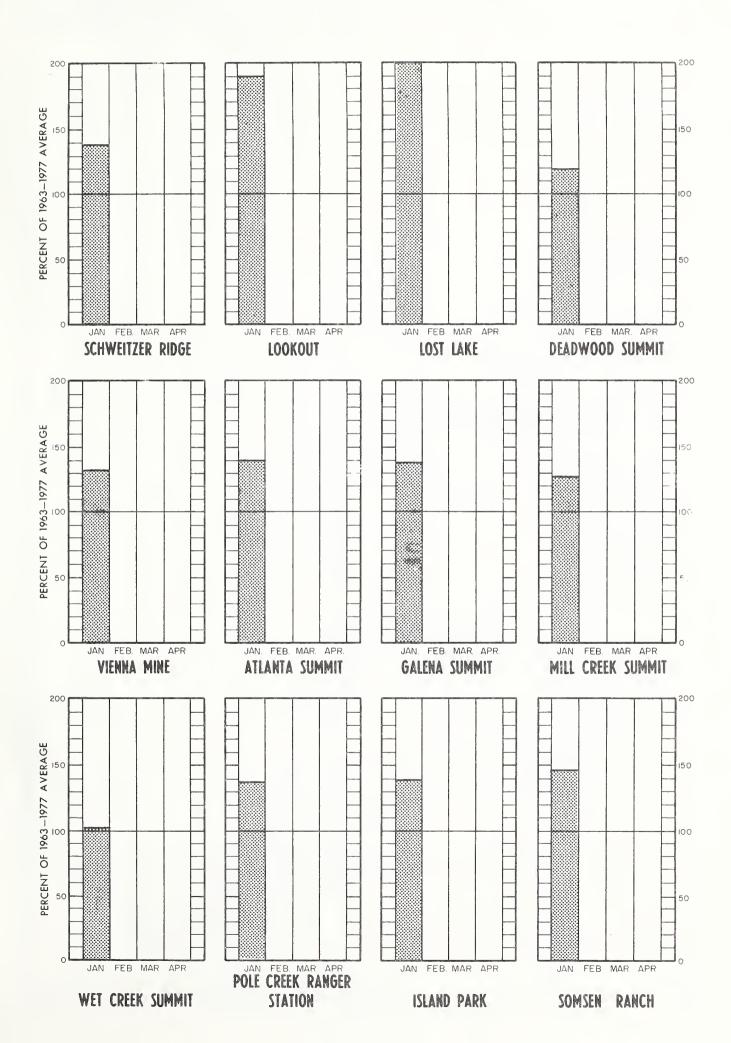
Reservoir carryover storage is 102 percent of average in 17 key reservoirs across the state, ranging from 33 percent of normal in Coeur d'Alene Lake to 312 percent of normal in Salmon Falls Creek Reservoir.

In general, soil moisture conditions are near normal in northern and central Idaho and above normal in the southern and eastern part of the state.

Streamflow forecasts for the April-July period are above to well above normal throughout the state ranging from a low of 106 percent of normal on the Salmon near Salmon to 136 percent on the Clearwater River at Spalding. Near normal precipitation for the remainder of the season will assure Idaho of a good water supply for 1985.

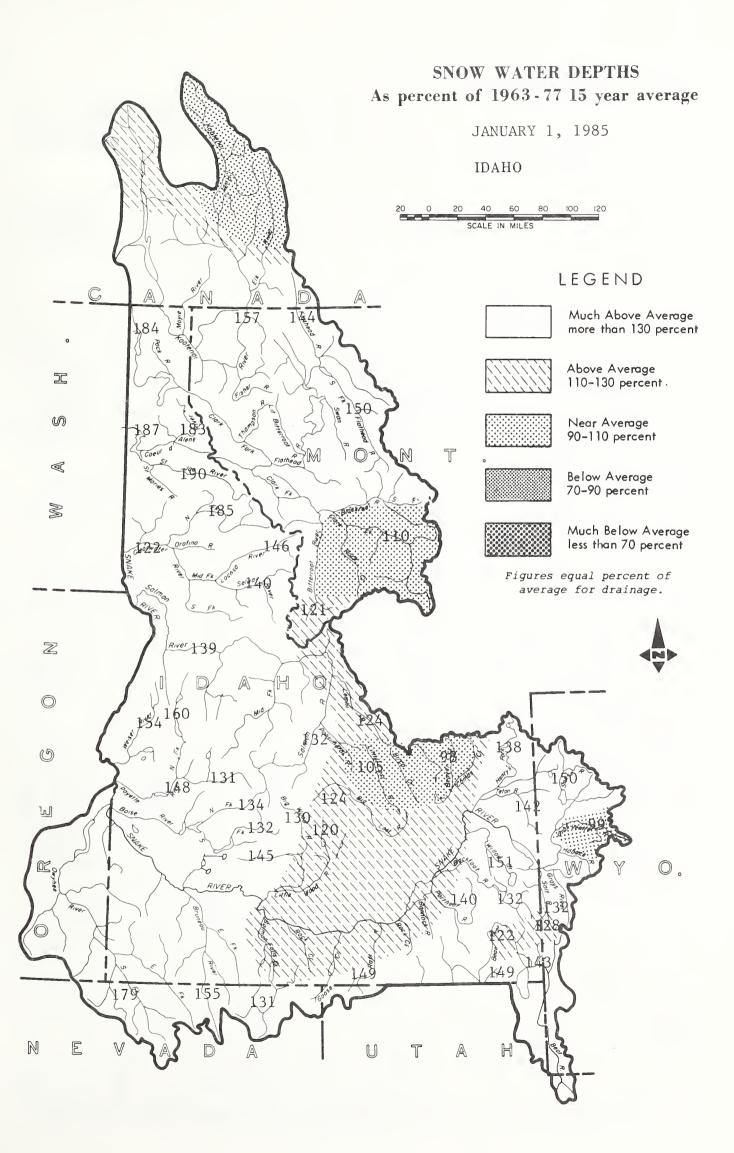
SNOW WATER DEPTHS ACCUMULATION For Selected Snow Courses

As Compared To 1963 - 1977 15 Year Average



COMPARISON of SNOW COVER

| | ARS SNOW WATER ED AS PERCENT OF: 1961-80 Avera |
|------------|---|
| LACT IZAT | TOO OO AVETA |
| | |
| | |
| 244 | 157 |
| 176 | 141 |
| 164 151 | 134 |
| 208 | 110 180 |
| 129 | 124 |
| 192 | 150 |
| 212 | 144 |
| 274 | 158 |
| 166 156 | 150 121 |
| 184 | 158 |
| 229 | 187 |
| - | _ |
| 266 | 183 |
| 213 | 190 |
| | |
| 198 | 172 |
| 198 | 185 |
| 193 | 146 |
| 195 127 | 140 139 |
| 108 | 132 |
| | |
| 90 | 105 |
| 69 | 124 |
| 80 82 | 120 132 |
| 89 | 130 |
| 65 | 145 |
| 61 | |
| 80 | 137 |
| 92 78 | 134 132 |
| 120 | 148 |
| 93 | 131 |
| 145 | 160 |
| 136 | 154 |
| | |
| 55 | 149 |
| _ | _ |
| 48 | 131 |
| 71 64 | 155 179 |
| | 1,7 |
| | |
| 104 | 136 |
| 119 82 | 150 99 |
| 71 | 132 |
| 75 | 128 |
| 83 | 98 |
| 112 99 | 138 142 |
| 75 | 151 |
| 80 | 132 |
| | |
| 71 | 160 |
| 1 | 143 122 |
| | 149 |
| | 71 91 54 61 |

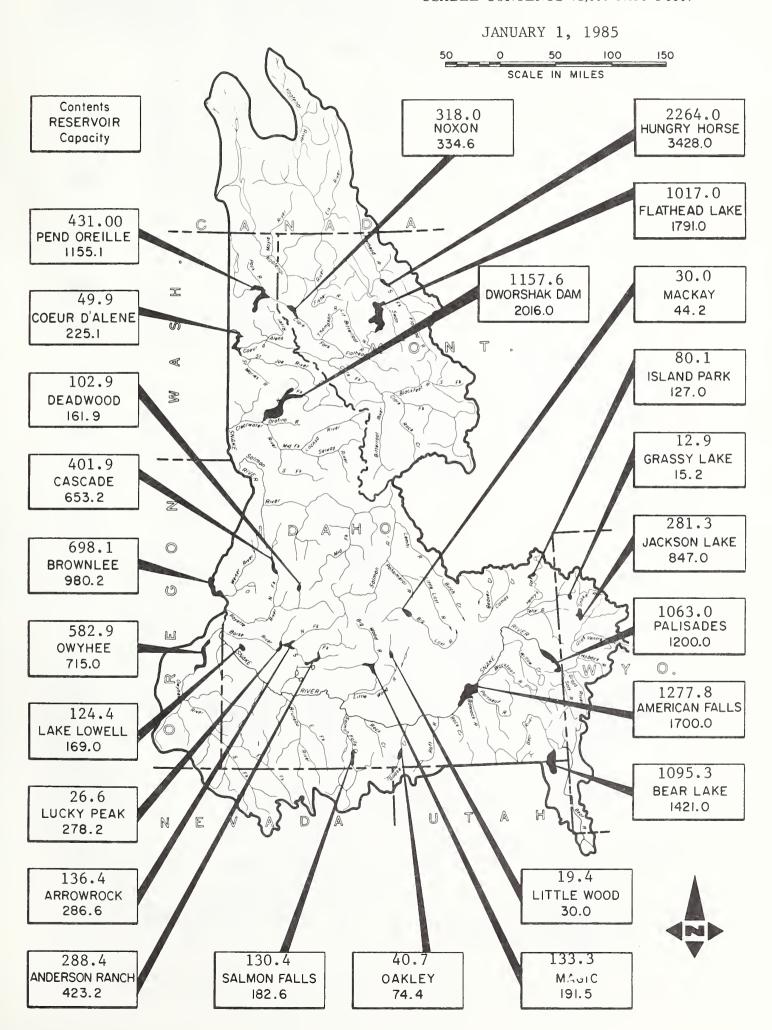


RESERVOIR STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | | EASURED (First of Me | 1 |
|---------------------------|-----------------|----------------|----------------------|---------------|
| | COASEE CALACITY | THIS YEAR | LAST YEAR | 1961-80 Avera |
| UPPER COLUMBIA BASIN | | | | |
| Clark Fork - Pend Oreille | | | | |
| Hungry Horse | 3428.0 | 2264.0 | 2611.0 | 2299.0 |
| Flathead | 1791.0 | 1017.0 | 1096.0 | 1325.0 |
| Pend Oreille | 1155.1 | 431.0 | 483.3 | 331.2 |
| Noxon | 334.6 | 318.0 | 318.4 | 314.1 |
| Spokane | | | | |
| Coeur d'Alene | 225.1 | 49.9 | 88.5 | 142.6 |
| SNAKE BASIN | | | | |
| Snake | | | | |
| Jackson Lake | 624.4 | 281.3 | 497.1 | 540.0 |
| Palisades | 1200.0 | 1063.0 | 1101.3 | 817.4 |
| American Falls | 1673.0 | 1277.8 | 1140.5 | 1296.9 |
| Island Park | 127.0 15.2 | 80.1 12.9 | 111.6 | 86.5 9.8 |
| Grassy Lake Brownlee | 980.2 | 698.1 | 938.4 | 818.5 |
| | 300.2 | 0,0,1 | 750.4 | 010.5 |
| Goose-Trapper Creeks | - | 10.7 | 40.0 | |
| Oakley | 74.4 | 40.7 | 40.0 | 22.6 |
| Salmon Falls Creek | | | | |
| Salmon Falls | 182.6 | 130.4 | 72.8 | 41.6 |
| Big Lost | | | | |
| Mackay | 44.2 | 30.0 | 30.1 | 25.5 |
| Big Wood | | | | |
| Magic | 191.5 | 133.3 | 125.8 | 82.1 |
| <u>Little Wood</u> | | | | |
| Little Wood | 30.0 | 19.4 | 12.8 | 12.7 |
| Fish Creek | | | | |
| Carey Valley | 14.4 | 5.7 | 8.85 | |
| Boise | | | | |
| Anderson Ranch | 423.2 | 288.4 | 296.3 | 270.7 |
| Arrowrock | 286.6 | 136.4 | 198.2 | 202.5 |
| Lucky Peak | 278.2 | 26.6 124.4 | 164.1 | 49.8 |
| Lake Lowell (Deer Flat) | 169.0 | 124.4 | 132.7 | 108.5 |
| Owyhee | | | | |
| Owyhee | 715.0 | 582.9 | 617.4 | 312.8 |
| Payette | | | | |
| Cascade Deadwood | 653.2 161.9 | 401.9 102.9 | 443.8 93.9 | 353.4 68.7 |
| Weiser | | | | |
| Mann Creek | 11.1 | 3.7 | 4.9 | |
| Clearwater | | | | |
| Dworshak | 2016.0 | 1157.6 | 1011.7 | |
| GREAT BASIN | | | | |
| Bear | | | | |
| Bear Lake | 1421.0 | 1095 3 | 1135.0 | 973.3 |
| Montpelier Creek | 4.05 | 1095.3 2.22 | 2.45 | |

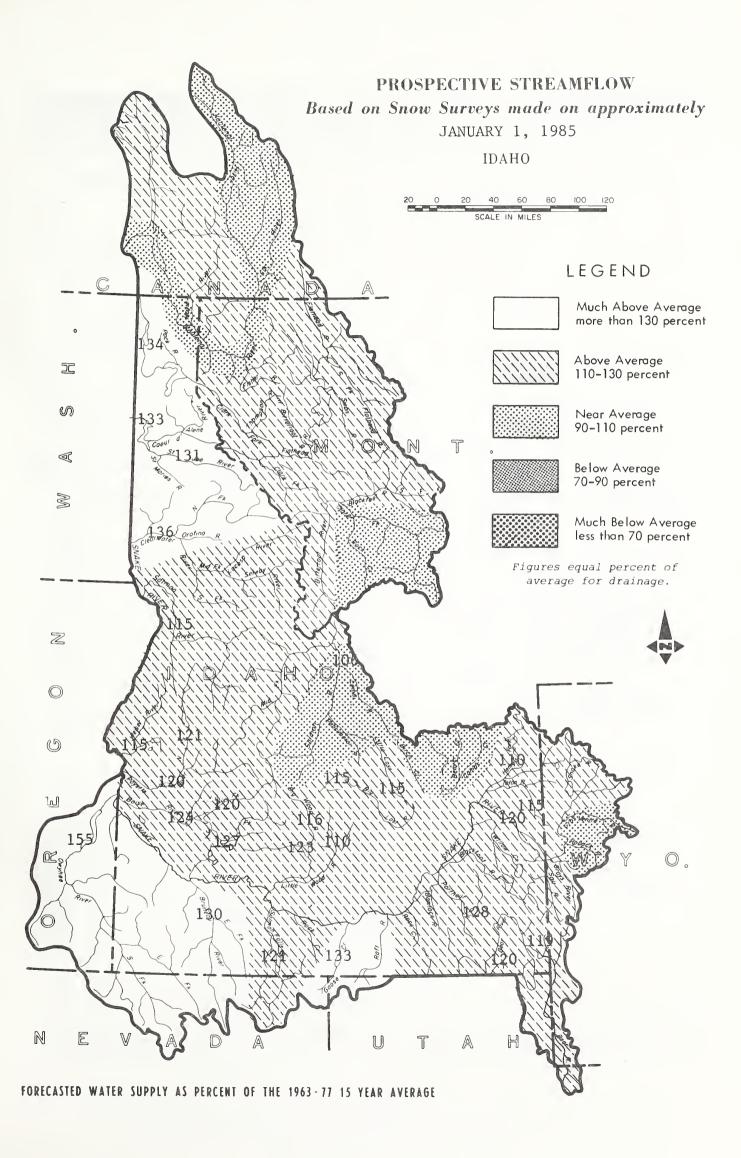
RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)



| EAMFLOW FORECASTS | | | THIS YEAR | | PAST RECORD | | |
|--|---------|-----------------------|-----------------------|--------------------|-------------|--------------|--|
| | | P | ECAST C | FORECAST | THOUSAND A | | |
| BASIN, STREAM and/or FORECAS | T POINT | Thousand Acre Feet | Percent of Average | PERIOD | Last Year | Average | |
| | UP | PER COLUMBIA BA | SIN | | | | |
| KOOTENAI RIVER | | | | | | | |
| Leonia | (at) | 9060 | 105 | Apr-Sep | | 8602 | |
| | | 7900 | 105 | Apr-Jul | | 7498 | |
| DEND OBETITE DIVER | | 6353 | 105 | Apr-Jun | | 605 | |
| PEND OREILLE RIVER Clark Fork River | | | | | | | |
| Whitehorse Rapids | (at) | 16100 | 118 | Apr-Sep | | 1357 | |
| | | 14600 | 118 | Apr-Jul | | 1235 | |
| | | 12500 | 118 | Apr-Jun | | 1057 | |
| Pend Oreille Lake Inflow | | 16400 | 118 | Apr-Sep | | | |
| Tend Offile Bane Inilow | | -5.00 | 110 | Apr-Jul | | | |
| Priest River | | | | - | | | |
| Priest River 1/ | (at) | 1190 | 134 | Apr-Sep | | 89. | |
| POKANE RIVER | | 1115 | 134 | Apr-Jul | | 84 | |
| Post Falls 2/ | (at) | 3800 | 133 | Apr-Sep | | 286 | |
| _ | . = • / | 3674 | 133 | Apr-Jul | | 275 | |
| St. Joe River | | 1600 | 101 | - | | | |
| Calder | (at) | 1680 1608 | 131 131 | Apr-Sep | | 129 | |
| | | 1000 | 131 | Apr-Jul | | 122 | |
| | SN | AKE RIVER BASIN | Ī | | | | |
| | | | - | | | | |
| NAKE RIVER - MAIN STEM | (-+) | 1120 | 127 | 4 | | 0.0 | |
| Moran $\frac{3}{4}$ Palisades Inflow $\frac{3}{4}$ | (at) | 4750 | 127 | Apr-Sep Apr-Sep | | 88. 379 | |
| Heise <u>4</u> / | (nr) | 4880 | 120 | Apr-Sep | | 406 | |
| - | , | 4158 | 120 | Apr-Jul | | 346 | |
| P1 - 1 C C / | | 6000 | 117 | - | | | |
| Blackfoot <u>5</u> / | (nr) | 6229 5138 | 116 116 | Apr-Sep Apr-Jul | | 5430 4429 | |
| | | 5130 | 110 | wht_agi | | 442 | |
| Henrys Fork | | =0.5 | 100 | | | | |
| Ashton $\underline{6}/$ | (nr) | 780 582 | 109 110 | Apr-Sep | | 71 | |
| | | 302 | 110 | Apr-Jul | | 52 | |
| Rexburg 7/ | (nr) | 1650 | 112 | Apr-Sep | | 147 | |
| - - | • | 1290 | 112 | Apr-Jul | | 115 | |
| Falls River | , | 403 | 110 | | | | |
| Squirrel | (nr) | 403 | 110 | Apr-Jul | | 36 | |
| Teton | | | | | | | |
| South Leigh Creek | (ab) | 271 | 114 | Apr-Sep | | 19 | |
| | | 167 | 115 | Apr-Jul | | 14. | |
| St. Anthony | (nr) | 511 412 | 110 110 | Apr-Sep | | 46. | |
| | | 712 | 110 | Apr-Jul | | 37. | |
| Portneuf River | | | | | | | |
| Topaz | (at) | 130 | 128 | Mar-Sep | | 102 | |
| 0.1.1 | | 105 | 128 | Mar-Jul | | 83 | |
| Oakley Reservoir Inflow | | 40.2 | 133 | Apr-Sep | | 30 | |
| | | 36.2 | 133 | Apr-Jul | | 27 | |
| | | | | | | | |
| Salmon Falls Creek | | | | | | | |
| San Jacinto | (nr) | 112 | 120 | Mar-Sep | | 9 | |
| | | 108 | 121 | Mar-Jul Mar-Jun | | 89 84 | |
| | | 107 | 121 | rial -Juli | | 04 | |
| Bruneau River | | | | | | | |
| Hot Springs | (nr) | 315 | 130 | Mar-Sep | | 243 | |
| | | 301 | 130 | Mar-Jul | | 232 | |
| | | | | | | | |

⁺¹⁹⁶¹⁻¹⁹⁸⁰ period



| | AMFLOW FORECASTS | | THIS YEAR | PAST RECORD | | |
|--------------------------------------|-------------------|-----------------------|-----------------------|--------------------|------------|------------|
| | | FORE | CAST C | FORECAST | THOUSAND A | |
| BASIN, STREAM and/or FORECA | AST POINT | Thousand Acre Feet | Percent of Average | PERIOD | Last Year | Average + |
| Ideals Issa Disco | | | | | | |
| Howe | (nr) | 48.5 | 115 | An=-Con | | 42. |
| nowe | (HF) | 37.6 | 115 | Apr-Sep Apr-Jul | | 32.6 |
| Wet Creek | (b1) | 47.3 | 122 | Apr-Sep | | 38.8 |
| | \ <i>\</i> | 38.3 | 122 | Apr-Jul | | 31.4 |
| | | 30.5 | 122 | Apr-Jun | | 25.0 |
| Big Lost River | | | | • | | |
| Howell Ranch | (at) | 243 | 115 | Apr-Sep | | 211 |
| | | 213 | 115 | Apr-Jul | | 186 |
| | | 166 | 115 | Apr-Jun | | 144 |
| Mackay 8/ | (nr) | 211 | 115 | Apr-Sep | | 184 |
| _ | | | | | | |
| ig Wood River Bellevue | (nr) | 223 | 116 | Apr-Con | | 193 |
| perrevue | (III) | 208 | 116 | Apr-Sep Apr-Jul | | 193 |
| Magda Bagawada | | 363 | 123 | Apr-Sep | | 295 |
| Magic Reservoir Inflow 9/ | | 344 | 123 | Apr-Ju1 | | 280 |
| - | | | | | | |
| Carey 10/ | (nr) | 110 | 110 | Apr-Sep | | 101.0 |
| darey <u>10</u> / | (111) | 102 | 110 | Apr-Jul | | 93.1 |
| | | 91 | 110 | Apr-Jun | | 82.6 |
| oise River | | 846 | 120 | | | 705 |
| Twin Springs | (nr) | 785 | 120 | Apr-Sep Apr-Jul | | 705 650 |
| Poins 11/ | (nr) | 1948 | 124 | Apr-200 | | 1571 |
| Boise <u>11</u> / | (111) | 1802 | 124 | Apr-Sep Apr-Jul | | 1454 |
| | | 1586 | 124 | Apr-Jun | | 1279 |
| outh Fork | | 749 | 127 | | | 500 |
| Anderson Dam 12/ | (at) | 749 | 127 | Apr-Sep Apr-Jul | | 590 551 |
| wyhee River | | | | mpr our | | |
| Gold Cr., Nv 13/ | (nr) | 32 | 137 | Apr-Jul | | 27. |
| Owyhee, Nv <u>13</u> / | (nr) | 120 | 140 | Apr-Jul | | 82.1 |
| Lake Owyhee | | 587 | 155 | Apr-Sep | | 376 |
| net inflow $14/$ | | 541 | 155 | Apr-Jul | | 349 |
| Rome | (at) | 579 | 154 | Apr-Ju1 | | 376 |
| ayette River | | | | | | |
| Horseshoe Bend $15/$ | (nr) | 2220 | 120 | Apr-Sep | | 1805 |
| | | 2001 | 120 | Apr-Jul | | 1668 |
| | | | | | | |
| lorth Fork Cascade 16/ | (at) | 669 | 121 | Apr-Sep | | 553 |
| Cascade 10/ | (dl) | 627 | 121 | Apr-Sep Apr-Jul | | 518 |
| Banks 16/ | (nr) | 861 | 121 | Apr-Sep | | 712 |
| Danks 10/ | (111) | 812 | 121 | Apr-Jul | | 671 |
| | (at) | | | A | | 4.07 |
| | (at) | 525 | 119 | Apr-Sep | | 497 |
| outh Fork Lowman | (ac) | E 0 / | | | | |
| Lowman | | 524 | 119 | Apr-Jul | | 441 |
| | | 524 164 | 119 | Apr-Jul Apr-Jul | | 144 |
| Deadwood Reservoir I Weiser River | Inflow | 164 | 117 | Apr-Jul | | 144 |
| Lowman Deadwood Reservoir | | | | • | | |

| STREAMFLOW FORECASTS | | | THIS YEAR | PAST RECORD | | |
|--------------------------------|---------------|-----------------------|-----------------------|--------------------|------------|-----------|
| | | FOR | ECAST C | FORECAST | THOUSAND A | CRE FEET |
| BASIN, STREAM and/or FC | DRECAST POINT | Thousand Acre Feet | Percent of Average | PERIOD | Last Year | Average + |
| Salmon River | | | | | | |
| Whitebird | (at) | 7900 7140 | 115 115 | Apr-Sep | | 7188 |
| • | | 7140 | 115 | Apr-Jul | | 6497 |
| Salmon | (nr) | 1120 | 106 | Apr-Sep | | 1123 |
| | | 956 | 106 | Apr-Jul | | 960 |
| Clearwater River Orofino | (at) | 6900 | 130 | A C | | 5308 |
| Orolino | (at) | 6390 | 130 | Apr-Sep Apr-Jul | | 5029 |
| | | 0370 | 150 | Apr-Jui | | 3029 |
| Spalding | (at) | 11500 | 136 | Apr-Sep | | 8672 |
| | | 10900 | 136 | Apr-Jul | | 8192 |
| North Fork Clearwater | | | | | | |
| Dworshak Reservo | ir Inflow | 4029 | 135 | Apr-Sep | | 3040 |
| | | 3790 | 135 | Apr-Jul | | 2845 |
| | GR | EAT BASIN | | | | |
| BEAR RIVER | | | | | | |
| Harer | (at) | 400 | 129 | Apr-Sep | | 310 |
| W . 11 0 1 | | | | | | |
| Montpelier Creek Montpelier | (nr) | 16.5 | 119 | Apr-Sep | | 13.9 |
| | (112) | | | whr peh | | 13.9 |
| Cub River | , , | 62.2 | 120 | | | |
| Preston | (nr) | 56.2 | 120 | Apr-Sep | | 51.8 |
| | | 50.2 | 120 | Apr-Jul | | 46.8 |

- Observed flow corrected for storage in Priest Lake.
- Observed flow corrected for storage in Coeur d'Alene Lake.
- Corrected for storage in Jackson Lake.
- Corrected for storage in Jackson Lake and Palisades.
- Corrected for storage in Jackson Lake, Palisades, Island Park, Henrys Lake, Grassy Lake and diversions between Heise and Blackfoot.
- Corrected for storage in Henrys Lake and Island Park Reservoir.
- Corrected for storage in Henrys Lake and Island Park, Grassy Lake and diversions between Ashton and Rexburg.
- Observed flow corrected for storage in Mackay Reservoir.
- Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine.
- Corrected for storage in Little Wood Resevoir.
- Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak.
- Corrected for storage in Anderson Ranch Reservoir. Corrected for storage in Wildhorse Reservoir.
- 10/ Corrected for storage in Arrowrock, Anderson 12/ Corrected for storage in Anderson Ranch Reservoir 13/ Corrected for storage in Wildhorse Reservoir 14/ From Bureau of Reclamation records of inflow 15/ Corrected for storage in Cascade and Deadwood 16/ Corrected for storage in Cascade Reservoir.
- From Bureau of Reclamation records of inflow. Corrected for storage in Cascade and Deadwood Reservoirs.

| SNOW DRAINAGE | BASIN | and or SNOW COURSE | | Date | Snow Depth | Water Content | | RECORD tent (inches) |
|---|-------|--------------------|--------------|----------------|------------|---------------|--------------|-------------------------|
| NAME & | | | Elevation | of Survey | (Inches) | (Inches) | Last Year | BAverage |
| Above Burke | | Coeur d'Alene | 4100 | 12/28 | 67 | 14.2 | 5.8 | 8.7* |
| Above Gilmore | | Lemhi | 8240 | 1/03 | 23 | 5.9 | | 3.7* |
| Above Roland | | St. Joe | 4350 | 1/01 | | 21.2e | | 10.8* |
| Afton Rgr. Sta. | (Wy) | Salt River | 6240 | 12/27 | 16 | 3.0 | 4.6 | 2.1 |
| Antelope Ridge | | 0wyhee | 6180 | 12/31 | 19 | 5.4 | 9.1 | 3.2* |
| Arizona | (Wy) | Snake | 6820 | 1/03 | 42 | 9.7 | 10.5 | 7.9 |
| Aspen Grove | (**) | Willow | 6500 | 12/27 | | 7.3e | 9.8e | 5.1* |
| Aster Creek | (Wy) | Snake | 7750 | 1/02 | 76 | 21.1 | 13.5 | 12.5 |
| Atlanta Summit Atlanta Townsite | | Boise | 7600 | 1/01 | 69 | 20.5 | 21.8e | 14.6* |
| Bad Bear | | Boise Boise | 5370 4940 | 1/01 12/27 | 34 | 7.3 | | |
| Badger Gulch | | Trapper | 6660 | 1/01 | 33 | 9.1 5.3e | 9.0 | 5.4* |
| Banner Summit | | Payette | 7040 | 1/01 | | 19.6e | 16.6e | 4.7* |
| Base Camp | (Wy) | Snake | 7030 | 1/01 | 41 | 10.7 | 9.5 | 8.6 |
| Bear Basin | (,) | Little Salmon | 5350 | 1/01 | 41 | 11.6e | 10.0e | |
| Bear Canyon | | Big Lost | 7900 | 1/01 | | 8.0e | 9.5e | 6.5* |
| Bear Saddle | | Mann Creek | 6180 | 1/01 | | 16.6e | 15.2e | |
| Bennett Mountain | | Canyon Creek | 6560 | 12/29 | 38 | 11.3 | 15.6 | |
| Benton Meadow | | Priest | 2370 | 1/03 | 28 | 6.4 | 2.9 | 3.0 |
| Benton Spring | | Priest | 4920 | 1/03 | 55 | 15.8 | 8.6 | 8.4 |
| Big Creek Summit | | Salmon | 6580 | 1/01 | | 25.2e | 16.5 | 14.6* |
| Big Springs | | Henrys Fork | 6400 | 12/31 | 44 | 10.9 | 9.3 | 8.0 |
| Birch Creek | | Willow | 6800 | 12/27 | 21 | 5.4 | 7.3 | 3.7* |
| Black Bear | (Mt) | Madison | 7950 | 12/27 | 70 | 21.6 | 19.0 | 16.3 |
| Black Moose | | Henrys Fork | 8160 | 12/31 | | 21.7e | | 16.4* |
| Blue Ledge Mine | | W. Camas | 6900 | 1/01 | | 7.le | | 7.7* |
| Blue Ridge | | Blackfoot | 6780 | 12/27 | 42 | 12.3 | 14.9 | |
| Bogus Basin | | Payette | 6340 | 12/27 | 48 | 14.8 | 18.5 | 9.3 |
| Bogus Basin Road | | Boise | 5540 | 12/27 | 19 | 4.3 | 9.7 | 2.7* |
| Bone | | Willow | 6200 | 12/27 | 19 | 4.0 | 5.6 | 2.6* |
| Boulder Creek | | Weiser | 5440 | 12/28 | 51 | 12.5 | 9.6 | 9.9 |
| Breezy Saddle | | Clearwater | 5010 | 1/02 | 93 | 24.6 | 10.0 | |
| Brockman Station | | Willow | 6430 | 12/27 | 2 1 | 5.0 | 7.9 | |
| Brundage Mountain Camas Creek Divide | | Little Salmon | 7560 | 1/01 | 2.0 | 31.2e | 20.4e | 20.1 |
| Camp Creek | | Big Wood Beaver | 5710 6580 | 12/29 | 28 | 7.7 | 14.7 | |
| Cayuse Airstrip | | Clearwater | 3500 | 12/28 1/01 | 15 42 | 2.6 7.9 | 4.4 | 4.4 |
| CCC Camp | (Wy) | Salt | 7000 | 12/31 | 33 | 6.8 | 5.0 | 5.4* |
| Chimney Creek | (")) | Big Wood | 6400 | 12/29 | 32 | 8.4 | 8.4 | 5.1 |
| Clear Creek Meadows | | Raft | 9420 | 1/01 | 32 | 14.8e | | 8.7 |
| Copper Basin | , | Big Lost | 7640 | 1/01 | | 4.5e | 8.8e | 3.7* |
| Copper Ridge | | Coeur d'Alene | 4820 | 1/01 | | 21.0e | | 10.4 |
| Couch Summit | | Boise | 6840 | 12/29 | 38 | 9.7 | 13.6 | 7.1* |
| Cozy Cove | | Deadwood | 5380 | 12/28 | 39 | 8.1 | 10.2 | 7.0* |
| Crab Creek | | Camas-Beaver | 6860 | 12/29 | 27 | 6.1 | | |
| Crater Meadows | | Clearwater | 5960 | 1/03 | 97 | 28.3 | 18.2 | 18.0* |
| rooked Fork | | Lochsa | 3610 | 1/03 | 37 | 6.8 | 4.9 | 5.3* |
| lub River Ranger St | ation | Cub | 5450 | 12/27 | 21 | 5.0 | 11.2 | 3.5* |
| arby Canyon | (Wy) | Teton | 8250 | 12/27 | 50 | 13.5 | 14.1 | 9.7 |
| eadline | | Salmon Falls | 7400 | 1/01 | | 9.0e | 21.4 | 8.7* |
| eadline South | | Salmon Falls | 7450 | 1/01 | | 10.7e | 22.9 | 9.7* |
| eadman Gulch | | Boise | 5600 | 12/20 | 49 | 12.0 | | 7.3 |
| eadwood Airstrip | | Deadwood | 5360 | 1/01 | | 8.2e | 11.0e | 6.4* |
| eadwood Summit | | Deadwood | 6860 | 1/01 | | 25.6e | 23.2 | 21.5* |
| Oollarhide Summit | | Big Wood | 8420 | 1/01 | 49 | 13.2 | 18.2e | 11.6* |
| ast Ragged Saddle | | Rathdrum | 3740 | 1/07 | 62 | 19.8 | | |
| lk Butte | | Clearwater | 5550 | 1/02 | 102 | 27.2 | 14.6 | |
| migrant Summit | | Bear | 7390 | 12/26 | 43 | 11.4 | 21.le | 9.6* |
| ish Lake Airstrip | | Lochsa | 5650 | 1/02 | 91 | 23.8 | 12.6 | 16.9* |
| orty-nine Meadows | (5.7) | Clearwater | 4830 | 1/02 | 86 | 22.0 | 10.4 | 12.1* |
| our Mile Meadows ranklin Basin | (Wy) | Snake Cub | 7860 8040 | 1/01 | 50 | 6.0e | 20. 7 | 5.3 |
| ranklin Basin ranklin Basin Snot | 1ء | Cub | 8170 | 12/27 12/27 | 50 56 | 15.9 16.6 | 20.7 22.8 | 10.3 |
| reds Mountain | CI | Teton | 8150 | 12/27 | 50 | 10.0 14.4e | 22.8 | 10.4 |
| alena | | Big Wood | 7440 | 12/27 | 43 | 11.4 | 11.5 | 7.7 |
| alena Snotel | | Big Wood | 7470 | 1/01 | 45 | 13.0 | 12.3 | |
| alena Summit | | Big Wood | 8780 | 12/31 | 54 | 14.1 | 14.1 | 10.2 |
| arfield Ranger Sta | tion | Little Wood | 6560 | 12/28 | 24 | 5.1 | 7.2 | 4.0* |
| | (Mt) | Bitterroot | 7100 | 12/24 | 51 | 11.9 | 8 • 9. | 9.4 |
| iveout | (110) | Montpelier | 6860 | 1/01 | J1 | 7.7e | 8.3e | 4.9e |
| | (Wy) | Snake | 7040 | 1/01 | 59 | 15.3 | 13.3 | 4.7e |
| | (Nv) | Salmon Falls | 8880 | 1/01 | 33 | 12.le | 16.8 | 7.4* |
| | | Owyhee | 6600 | 1/01 | | 1.9e | | 1.9 |

⁽b) 1961-1980, 20 year period. *Estimated 1961-1980 20 year average.
(e) Snow course data estimated from automated Snotel readings.

| SNOW | | | | | THIS YEAR | | | RECORD |
|---------------------------------------|-------|------------------------------|--------------|---------------|------------|---------------|-------------|----------------------|
| | | and or SNOW COURSE | | Date | Snow Depth | Water Content | Water Cor | ntent (inches) |
| NAME & | DRAIN | NAGE | Elevation | of Survey | (Inches) | (Inches) | Last Year | b _{Average} |
| Graham Guard Sta. | | Boise | 5690 | 12/28 | 39 | 8.9 | | 6.7* |
| Graham Ranch | | Big Wood | 6270 | 12/31 | 36 | 9.5 | 9.5 | 5.4 |
| Grassy Lake | (Wy) | Henrys Fork | 7265 | 1/02 | 80 | 22.3 | 18.3 | 14.6 |
| Greys Boundary | (Wy) | Greys | 5720 | 12/27 | 26 | 5.8 | 8.2 | 4.4 |
| Grover Park Divide | (Wy) | Salt | 7000 | 12/31 | 31 | 6.0 | 8.4 | 4.8 |
| Heart Lake Trail | (Mt) | Clark Fork | 4800 | 1/02 | 69 | 19.0 | 8.6 | 8.5 |
| Hemlock Butte | | Clearwater | 5810 | 1/03 | 123 | 35.6 | 19.4 | 20.5* |
| Hilts Creek | | Little Lost | 8000 | 12/28 | 23 | 5.1 | 4.6 | |
| Hoodoo Basin | (Mt) | Clark Fork | 6000 | 1/02 | 118 | 37.0 | 18.1 | 20.1 |
| Hoodoo Creek | (Mt) | Clark Fork | 5900 | 1/02 | 113 | 33.6 | 17.3 | 17.8 |
| Howell Canyon | | Marsh Creek | 7980 | 1/01 | | 13.9e | 25.2e | 10.5 |
| Humboldt Gulch Hummingbird Springs | (N) | Coeur d'Alene | 4250 | 12/28 | 59 | 13.2 | 3.6 | |
| Hyndman Creek | S(NV) | Jarbridge | 8870 | 1/01 | | 15.5e | | 9.7* |
| Idaho City Townsite | | Big Wood | 7440 | 1/01 | | 10.0e | 7.8e | |
| Indian Meadows | 2 | Boise Teton | 4000 | 12/27 | 18 | 4.5 | 4.0 | |
| Island Park | | | 8240 | 12/27 | 74 | 21.8 | 22.2 | 15.4* |
| Jackpine Creek | (Wy) | Henrys Fork Teton | 6290 7350 | 12/31 | 39 | 8.9 | 7.9 | 6.4 |
| Jackson Peak | (") | Boise | 7070 | 12/27 | 49 60 | 13.1 | 12.0 | |
| Kellogg Peak | | Couer d'Alene | 5560 | 12/28 1/01 | 60 | 17.1 | 16.8 | 14.2* |
| Kilgore | | Camas Creek | 6320 | 12/29 | 22 | 25.9e | | 14.7* |
| Lake Fork | | Payette | 5290 | 1/05 | 38 | 4.8 10.2 | 5.8 | 4.4 |
| Lakeview Canyon | (Mt) | Beaverhead | 6930 | 12/31 | 24 | 5.9 | 9.1 | 7.4 |
| Lakeview Ridge | (Mt) | Beaverhead | 7400 | 12/31 | 23 | 5.7 | 5.1 5.1 | 5.4 |
| Langford Flat Creek | | Salmon Falls | 5980 | 12/28 | 16 | 3.0 | 10.1 | 4.8 |
| Lava Creek | | Willow | 7350 | 12/27 | 32 | 8.0 | 11.9 | 5.0* |
| Lemhi Ridge | (Mt) | Beaverhead | 8100 | 12/27 | 24 | 5.4 | 5.0 | 5.0 |
| Le Bois | | N.F. Payette | 4900 | 1/05 | 46 | 11.2 | | |
| Lewis Lake Divide | (Wy) | Snake | 7850 | 1/01 | 91 | 24.7 | 22.5 | 17.0 |
| Liberty Spring | | Mink | 8600 | 1/01 | | 17.5e | | 14.7* |
| Little Beaver | | Montpelier | 6970 | 1/01 | | 9.0e | 9.9 | 5.7* |
| Little Camas Flat | | Boise | 4940 | 12/29 | 20 | 4.7 | 8.6 | |
| Lolo Pass | | Lochsa | 5240 | 1/03 | 73 | 18.5 | 8.0 | 12.1* |
| Lookout | | Coeur d'Alene | 5140 | 1/02 | 94 | 27.3 | 11.2 | 14.4 |
| Lost Lake | | Clearwater | 6110 | 1/02 | 144 | 44.8 | 20.8 | 22.2* |
| Lost-Wood Divide | | Big Lost | 7900 | 1/01 | | 11.6e | 15.3 | 10.5 |
| Lower Home Canyon Lower Pebble | | Montpelier | 7640 | 1/01 | | 7.6e | | 5.6* |
| Lower Peoble Lower Sands Creek | | Portneuf | 5780 | 12/27 | | 7.0e | | 5.2* |
| | ()(-) | Couer d'Alene | 3120 | 1/01 | | 15.7e | | 8.8* |
| Magic Mountain | (Mt) | Madison | 7750 | 12/27 | 45 | 11.8 | 10.0 | 9.5 |
| Mascot Mine | | Rock Creek Big Wood | 6880 | 1/01 | | 7.2e | 20.4 | 7.4 |
| McRenolds Reservoir | | Teton | 7780 6720 | 1/01 | / 1 | 9.7e | 7.8 | 6.1* |
| Meadow Lake | | Lemhi | 9150 | 12/27 | 41 | 10.4 | 10.2 | 7.8* |
| Mill Creek Summit | | Salmon | 8800 | 1/03 1/01 | 35 | 9.2 | | 8.4* |
| Mink Creek | | Portneuf | 6410 | 12/27 | | 12.8e | 10.6 | 10.1* |
| Montpelier Creek | | Montpelier | 6540 | 1/01 | | 10.2e | F 7 | 7.3* |
| Moonshine | | Little Lost | 7440 | 1/01 | 23 | 5.5e | 5.7 | 3.3* |
| Moores Creek Summit | | Boise | 6100 | 12/27 | 62 | 4.8 | | 4.4* |
| Moose Creek | | N.F. Salmon | 6200 | 12/27 | 34 | 19.2 8.0 | 24.4 7.6 | 13.1 |
| | (Wy) | Snake | 6750 | 1/03 | 28 | 6.3 | 7.6 7.0 | 7.1* |
| Morgan Creek | | Salmon | 7600 | 1/01 | 20 | 8.7e | 5.9 | 5.4 5.9* |
| Mount Baldy | | Big Wood | 8920 | 12/31 | 43 | 10.2 | 13.6 | 5.9* 8.5 |
| Mud Creek | | Willow | 7100 | 12/27 | 47 | 13.2 | 15.2 | |
| Mud Flat | | Owyhee | 5730 | 12/31 | 25 | 6.0 | 10.0 | 2.8* |
| fuldoon | | Little Wood | 6320 | 12/28 | 17 | 3.6 | 4.0 | 3.1* |
| Packsaddle Spring | | Teton | 8200 | 12.27 | 54 | 16.4 | 17.4 | |
| Pebble Creek | | Portneuf | 6550 | 12/27 | | 8.7e | | 6.0* |
| Pierce Ranger Sta. | | Clearwater | 3080 | 12/27 | 30 | 6.0 | 4.0 | 4.7* |
| Pine Creek Pass | · \ | Teton | 6810 | 12/31 | 42 | 10.4 | 10.8 | 6.9 |
| | (Wy) | Greys | 8500 | 1/01 | | 13.8e | | 14.1 |
| ole Creek Ranger St | a.(Nv | - | 8360 | 1/01 | | 11.9e | 16.8 | 8.7* |
| rairie | | Boise | 4800 | 1/01 | | 4.4e | | 2.9* |
| load Creek | | Boise | 5380 | 12/27 | 27 | 5.6 | | 4.6* |
| Rock Flat Summit | | Payette | 5310 | 1/02 | 44 | 10.8 | 9.6 | 7.3 |
| Roland Summit | Mr.) | St. Joe | 5120 | 1/01 | | 30.5e | | 17.1* |
| | Mt) | Bitterroot | 7940 | 12/24 | 52 | 12.2 | 9.5 | 10.7* |
| Sait Kiver Summit (Savage Pass | Wy) | Salt | 7700 | 12/31 | 35 | 7.6 | 9.8 | 6.3 |
| Savage Pass Sawmill Canyon | | Lochsa | 6170 | 1/02 | 66 | 16.8 | | 10.7* |
| Sawmill Canyon Sawtell Mountain | | Little Lost | 7000 | 12/29 | 19 | 3.7 | | 3.6* |
| Schweitzer Bowl | | Henrys Fork | 8720 | 12/31 | 62 | 18.7 | 20.7 | 13.7* |
| Schweitzer Ridge | | Pend Oreille Pend Oreille | 4800 | 12/27 | 73 | 21.2 | 11.2 | 13.5* |
| | | rena Aterite | 6200 | 12/27 | 90 | 29.2 | 16.8 | 21 14 |
| Secesh Summit | | Payette | 6520 | 1/01 | , , | 27.2 | 10.0 | 21.1* |

⁽b) 1961-1980, 20 year period. *Estimated 1961-1980 20 year average.
(e) Snow course data estimated from automated Snotel readings.

| SNOW | | | | | THIS YEAR | | PAST | RECORD |
|--------------------|---------|--------------------|-----------|-----------|------------|---------------|-----------|-----------------------------|
| DRAINAGI | E BASIN | and or SNOW COURSE | | Date | Snow Depth | Water Content | Water Con | tent (inches) |
| NAME 8 | DRAIN | NAGE | Elevation | of Survey | (Inches) | (Inches) | Last Year | <i>b</i> _{Average} |
| Shanghai Summit | | Clearwater | 4570 | 1/04 | 87 | 22.9 | 9.1 | 9.8* |
| Sheep Mountain | | Willow | 6570 | 12/27 | 28 | 7.0 | 10.4 | 4.6* |
| Sherwin | | St. Maries | 3200 | 1/04 | 47 | 11.9 | 6.4 | 5.6* |
| Shoshone Basin | | Salmon Falls | 5810 | 12/28 | 18 | 2.9 | 9.3 | 3.0* |
| Slug Creek Divide | | Blackfoot | 7230 | 1/01 | | 8.2e | 10.6 | 6.8* |
| Snake River Sta. | (Wy) | Snake | 6920. | 1/02 | 52 | 12.8 | 11.0 | 8.5 |
| Soldier Ranger Sta | • | Big Wood | 5740 | 12/29 | 29 | 7.4 | 10.5 | 4.7* |
| Somsen Ranch | | Willow Creek | 6840 | 1/01 | | 8.5e | 10.8 | 5.8* |
| South Mountain | | Jordan-Owyhee | 6500 | 1/01 | 37 | 12.2 | 18.0 | 5.1 |
| Squaw Flat | | Weiser | 6240 | 1/01 | | 17.0e | 11.0 | 9.1* |
| Squaw Meadow | | Pavette | 5900 | 1.01 | | 25.0e | 15.6 | 15.8* |
| State Line | | Teton | 6660 | 12/31 | 41 | 9.6 | 9.3 | 6.0 |
| Stickney Mill | | Big Lost | 7430 | 1/01 | | 5.3e | 9.0 | 3.0* |
| Strawberry Creek | | Mink | 5820 | 12/27 | | 6.le | | 4.3* |
| | | Mink | 6720 | 1/01 | | 10.7e | | 8.3* |
| Swede Peak | | Little Wood | 7640 | 12/28 | 35 | 9.0 | 11.5 | 7.6* |
| Targhee Pass | | Henrys Fork | 6980 | 12/31 | 33 | 7.4e | 6.6 | 6.1* |
| Taylor Canyon | (Nv) | Owyhee | 6200 | 12/27 | 13 | 2.1 | | 2.1 |
| Tex Creek | | Willow | 6650 | 1/01 | 13 | 5.2e | | 2.1 3.4* |
| Togwotee Pass | (Wy) | Snake | 9580 | 1/03 | 51 | 12.8 | 16.5 | 13.6 |
| Trinity Mountain | . , , | Boise | 7770 | 12/29 | 75 | 23.0 | 25.4 | 18.5* |
| Tripod Summit | | Payette | 5260 | 1/04 | 49 | 13.5 | 23.4 | 8.9* |
| Twelve Mile Creek | (Mt) | Bitterroot | 5600 | 12/27 | 48 | 11.6 | 7.1 | 8.5 |
| Twin Lakes | (Mt) | Bitterroot | 6510 | 1/03 | 83 | 23.8 | 11.8 | 17.2 |
| Twin Spirit Divide | | Rathdrum | 3480 | 12/27 | 53 | 12.6 | | 17.2 |
| Twitchell Canyon | | Blackfoot | 6300 | 12/31 | 40 | 10.8 | 10.2 | |
| Upper Home Canyon | | Montpelier | 8560 | 1/01 | 40 | 10.0 10.7e | 10.2 | 9.1* |
| Valley View | | Henrys Fork | 6680 | 12/31 | 35 | 8.1 | 6.9 | – |
| Vienna Mine | | Salmon | 8960 | 1/01 | 71 | 20.0 | 22.4 | 6.2 |
| Webb Creek | | Clearwater | 4720 | 12/27 | 26 | 5.7 | 22.4 | 15.0* |
| West Branch | | Weiser | 5560 | 12/28 | 53 | 12.8 | 10.0 | |
| Wet Creek Summit | | Little Lost | 7680 | 12/28 | 22 | 4.4 | 10.0 | |
| Whiskey Creek | (Mt) | Madison | 6800 | 12/27 | 43 | 12.0 | | 4.3* |
| Whiskey Flat | ,,,,, | Montpelier | 6960 | 1/01 | 43 | 6.0e | 9.0 | 7.1 |
| White Elephant | | Henrys Fork | 7710 | 12/31 | 49 | | 6.7 | 3.6* |
| Willow Flat | | Cub | 6070 | 12/31 | 32 | 13.9 | 13.3 | 9.6* |
| | | 000 | 0070 | 12/2/ | 32 | 8.8 | 16.4 | 6.1* |

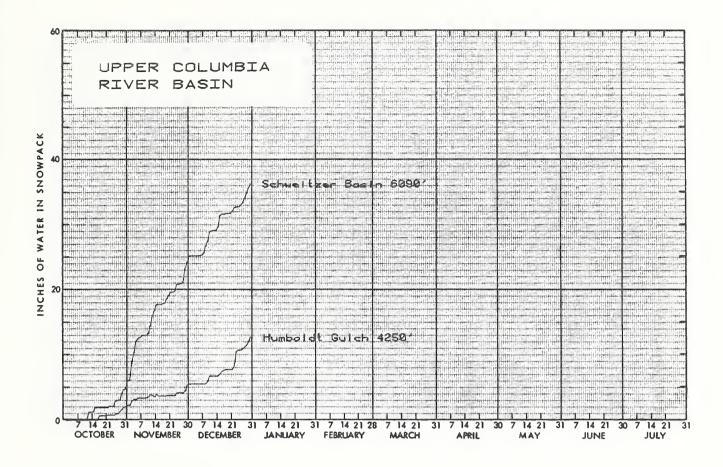
⁽b) 1961-1980, 20 year period. *Estimated 1961-1980 20 year average.
(e) Snow course data estimated from automated Snotel readings.

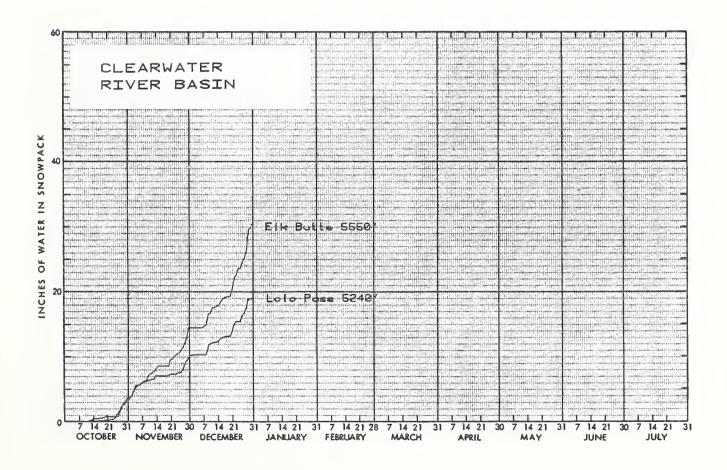
| SNOTEL PILLOW | DATA | | | This Year | Past | Record |
|----------------------------|----------------|-----------|------|---------------------------|--------------|-----------------|
| Data Site Name | Drainage | Elevation | Date | Water Content (inches) | Last Year | 61-80 Averag |
| Atlanta Summit | Boise | 7580 | 1/1 | 18.6 | 19.1 | 12.4 |
| Banner Summit | Payette | 7040 | 1/1 | 17.5 | 14.7 | |
| Base Camp | Upper Snake | 7030 | 1/1 | 9.7 | 8.8 | |
| Bear Basin | Little Salmon | 5350 | 1/1 | 11.1 | 9.3 | 7.4 |
| Bear Canyon | Big Lost | 7900 | 1/1 | 8.3 | 8.3 | 6.3 |
| Bear Creek | Jarbridge | 7800 | 1/1 | 11.9 | 19.5 | |
| Bear Mountain | Clark Fork | 5400 | 1/1 | NA | 17.0 | |
| Bear Saddle | Mann Creek | 6180 | 1/1 | 15.7 | 14.6 | |
| Bennett Mountain | Canyon Creek | 6560 | 1/1 | 10.9 | 19.1 | |
| | Salmon | 6580 | 1/1 | 21.7 | 15.4 | 11.3 |
| Big Creek Summit | Green | 9080 | 1/1 | 6.6 | NA | 11.5 |
| Big Sandy Opening | | | 1/1 | | | |
| Blind Bull Summit | Green | 8650 | • | 12.7 | 15.3 | |
| Bostetter Ranger Station | Trapper | 7500 | 1/1 | 10.9 | NA | |
| Bunchgrass Meadow | Pend Oreille | 5000 | 1/1 | 19.3 | 12.8 | |
| Cool Creek | Clearwater | 6250 | 1/1 | 35.4 | _ | |
| Cottonwood Lake | Salt | 7600 | 1/1 | 11.2 | 14.1 | |
| Coulter Creek | Upper Snake | 7020 | 1/1 | 13.8 | NA | |
| Cozy Cove | Deadwood | 5380 | 1/1 | 10.8 | 12.9 | 6.9 |
| Crab Creek | Camas-Beaver | 6860 | 1/1 | 6.8 | NA | |
| Crater Meadows | Clearwater | 5960 | 1/1 | 30.8 | | |
| Deadwood Summit | Deadwood | 6860 | 1/1 | 25.9 | 22.5 | 20.9 |
| Oollarhide Summit | Big Wood | 8420 | 1/1 | 14.4 | 18.4 | 11.7 |
| Elk Butte | Clearwater | 5550 | 1/1 | 30.4 | 18.8 | |
| Elkhart Park Guard Station | | 9400 | 1/1 | 5.6 | 8.7 | |
| Emigrant Summit | Bear | 7390 | 1/1 | 11.0E | 24.5 | 10.6 |
| Franklin Basin | Cub | 8170 | 1/1 | 18.1 | 23.1 | |
| Galena | Big Wood | 7470 | 1/1 | 11.4 | 11.2 | 7.6 |
| Galena Summit | = | 8780 | 1/1 | NA | NA | |
| | Big Wood | | • | | | 8.3 |
| Garfield Ranger Station | Little Wood | 6560 | 1/1 | 5.3 | NA | 3.7 |
| Giveout | Montpelier | 6930 | 1/1 | 7.8 | 8.8 | 4.6 |
| Goat Creek | Salmon Falls | 8880 | 1/1 | 11.8 | 18.2 | |
| Graham Guard Station | Boise | 5690 | 1/1 | 11.1 | 11.2 | 5.4 |
| Grassy Lake | Upper Snake | 7265 | 1/1 | 22.3 | 16.9 | |
| Gros Ventre Summit | Upper Snake | 8750 | 1/1 | NA | NA | |
| Hemlock Butte | Clearwater | 5810 | 1/1 | 35.1 | 19.7 | 21.2 |
| Hilts Creek | Little Lost | 8000 | 1/1 | 8 • 2 | NA | |
| Howell Canyon | Marsh Creek | 7980 | 1/1 | 11.3 | 21.9 | 8.5 |
| Humboldt Gulch | Coeur d'Alene | 4250 | 1/1 | 13.3 | 4.4 | 5.5 |
| Hyndman | Big Wood | 7440 | 1/1 | 6.9 | 6.4 | 4.9 |
| Indian Creek | Green | 7960 | 1/1 | 13.2 | 18.6 | |
| Ísland Park | Henrys Fork | 6290 | 1/1 | 8.8 | 7.5 | 6.8 |
| Jackson Peak | Boise | 7070 | 1/1 | 17.9 | 16.2 | 12.5 |
| Kelly Ranger Station | Green | 8180 | 1/1 | 8.5 | 13.2 | |
| Lewis Lake Divide | Upper Snake | 7850 | 1/1 | 20.7 | 17.0 | |
| olo Pass | Lochsa | 5240 | 1/1 | NA NA | 10.2 | 12.9 |
| ookout | Coeur d'Alene | 5140 | 1/1 | 25.4 | NA | 14.5 |
| | | 8240 | 1/1 | | 9.2 | 14.5 |
| oomis Park | Green | | | 8.2 | | |
| ost Lake | Clearwater | 6110 | 1/1 | 49.0 | 24.0 | |
| ost-Wood Divide | Big Lost | 7900 | 1/1 | 7.7 | 11.6 | 9.7 |
| Magic Mountain | Rock Creek | 6880 | 1/1 | 6.9 | 20.2 | 7.4 |
| leadow Lake | Lemhi | 9150 | 1/1 | NA | NA | |
| fill Creek Summit | Salmon | 8800 | 1/1 | 12.1 | 10.1 | 9.8 |
| loonshine | Little Lost | 7440 | 1/1 | 5.0 | 5.4 | 4.2 |
| Moores Creek Summit | Boie | 6100 | 1/1 | 21.7 | 21.4 | 11.7 |
| loose Creek | N. Fork Salmon | 6200 | 1/1 | 9.0 | 8.3 | 7.3 |
| lorgan Creek | Salmon | 7600 | 1/1 | 8.2 | 7.1 | 5.5 |
| osquito Ridge | Coeur d'Alene | 5200 | 1/1 | NA | 13.1 | |
| fountain Meadows | Selway | 6360 | 1/1 | 12.6 | 8.6 | 14.9 |
| ud Flat | Owyhee | 5730 | 1/1 | 4.8 | NA | |
| oxford Spring | Malad | 6740 | 1/1 | 4.6 | NA | |
| Phillips Bench | Salmon Falls | 8200 | 1/1 | 15.4 | 14.2 | |
| ole Creek Ranger Station | Salmon Falls | 8330 | 1/1 | 10.6 | 16.4 | |
| Prairie | Boise | 4800 | 1/1 | NA | NA | |
| Salt River Summit | Salt | 7700 | 1/1 | | | |
| | | | | 5.9 | 9.7 | |
| Savage Pass | Lochsa | 6170 | 1/1 | 17.4 | 8.9 | 10.5 |
| Schweitzer Basin | Pend Oreille | 6090 | 1/1 | 36.4 | 19.2 | 24.3 |
| Secesh Summit | Payette | 6520 | 1/1 | 24.5 | 15.2 | 14.9 |
| Shanghai Summit | Clearwater | 4570 | 1/1 | 23.7 | NA | 12.4 |
| Sheep Mountain | Willow | 6570 | 1/1 | 7.5 | 9.9 | 1.6 |
| Sherwin | St. Maries | 3200 | 1/1 | 9.7 | 5.7 | 5.9 |
| Slug Creek Divide | Blackfoot | 7225 | 1/1 | 8.6 | 12.3 | 7.6 |
| Snider Basin | Green | 8060 | 1/1 | 6.1 | 8.2 | |
| | | | | | | |

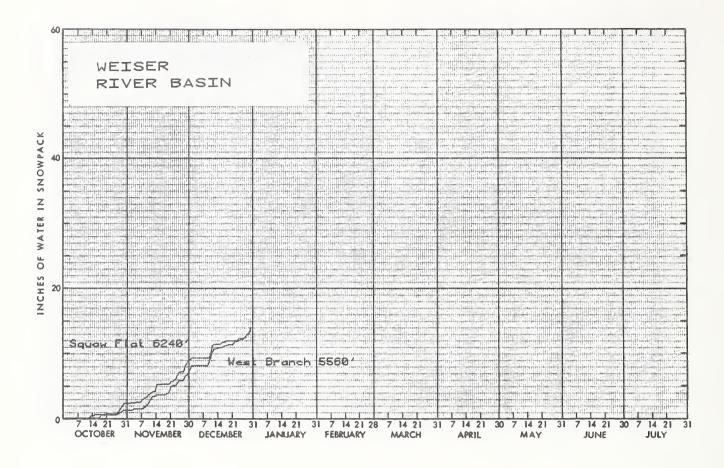
^{1/} Estimated 1961-1980 20 year average. NA Data not available

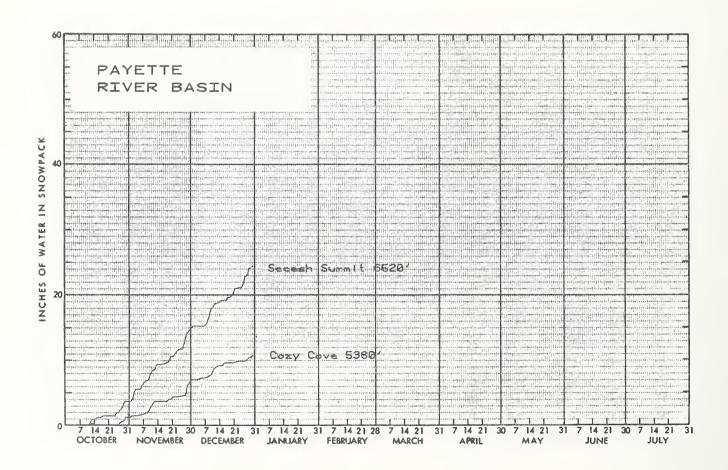
| SNOTEL PILLO | DWDATA | | | This Year | Past | Record |
|---------------------|---------------|-----------|------|---------------------------|--------------|-----------------------------|
| Data Site Name | Drainage | Elevation | Date | Water Content (inches) | Last Year | 61-80 <u>1</u> / Average |
| South Mountain | Jordan-Owyhee | 6500 | 1/1 | 12.5 | 21.5 | 2.9 |
| Spring Creek Divide | Green | 9000 | 1/1 | NA | 16.1 | |
| Squaw Flat | Weiser | 6240 | 1/1 | 14.3 | 8.9 | 6.5 |
| Stickney Mill | Big Lost | 7430 | 1/1 | 4.7 | 5.1 | 2.4 |
| Sunset | Coeur d'Alene | 5540 | 1/1 | 26.2 | 12.3 | |
| Swede Peak | Little Wood | 7640 | 1/1 | 8.5 | 9.7 | 5.9 |
| Togwotee Pass | Upper Snake | 9580 | 1/1 | 12.0 | 13.6 | |
| Touchet #2 | Touchet | 5530 | 1/1 | 34.0 | 12.3 | |
| Trinity Mountain | Boise | 7770 | 1/1 | 22.7 | 24.5 | 17.9 |
| Two Ocean Plateau | Upper Snake | 9160 | 1/1 | 15.7 | 14.8 | |
| Vienna Mine | Salmon | 8960 | 1/1 | 20.6 | NA | 15.0 |
| West Branch | Weiser | 5560 | 1/1 | 13.6 | 11.8 | 10.9 |
| White Elephant | Henrys Fork | 7710 | 1/1 | 14.3 | 13.7 | 10.2 |
| Wildhorse Divide | Portneuf | 6490 | 1/1 | NA | NA. | |
| Willow Creek | Greys | 8450 | 1/1 | 16.6 | 21.8 | |

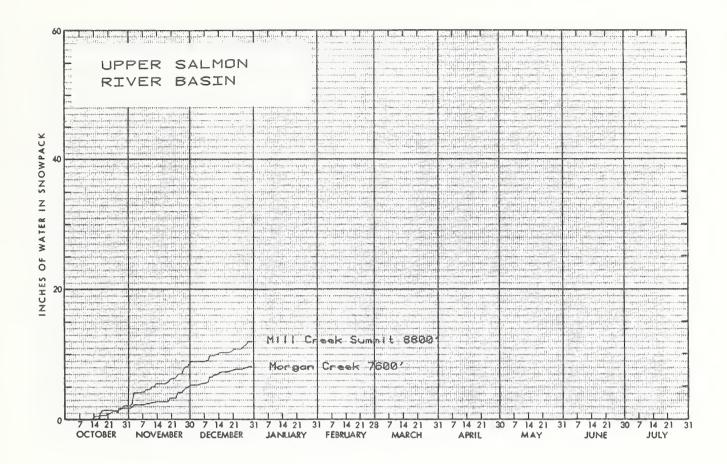
 $[\]frac{1}{NA}$ Estimated 1961-1980 20 year average. Data not available

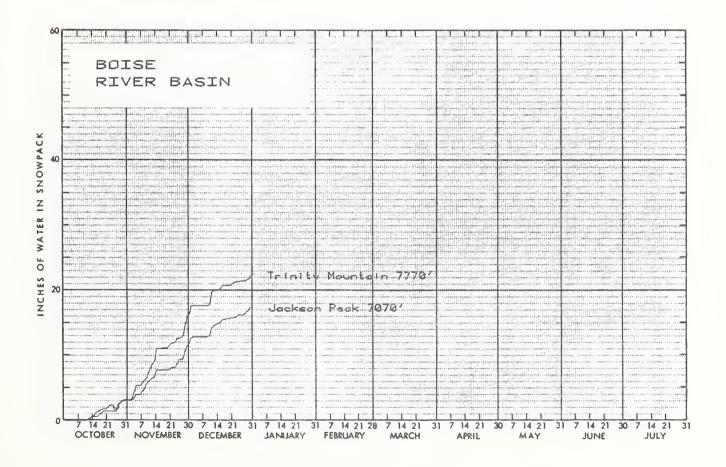


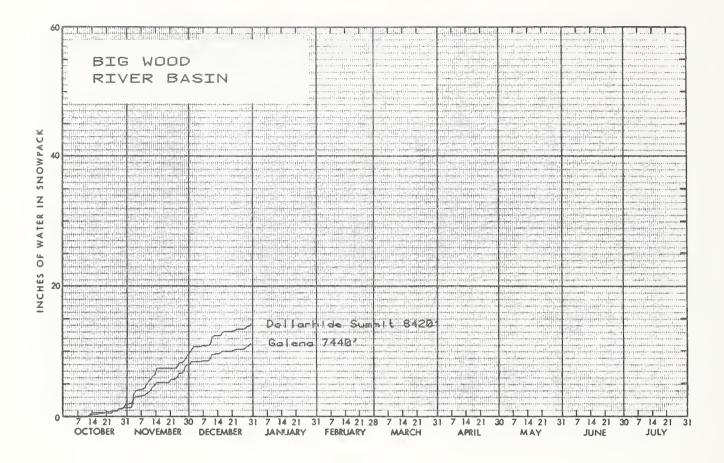


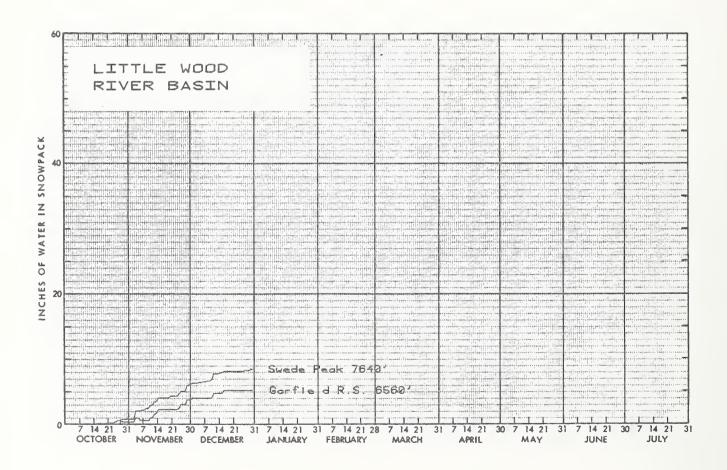


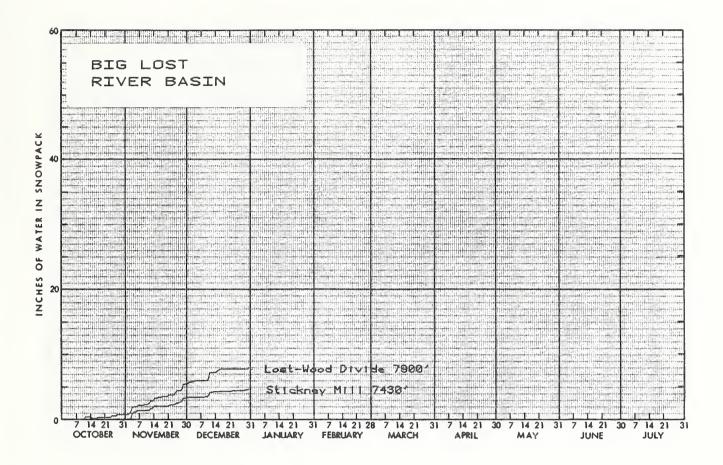


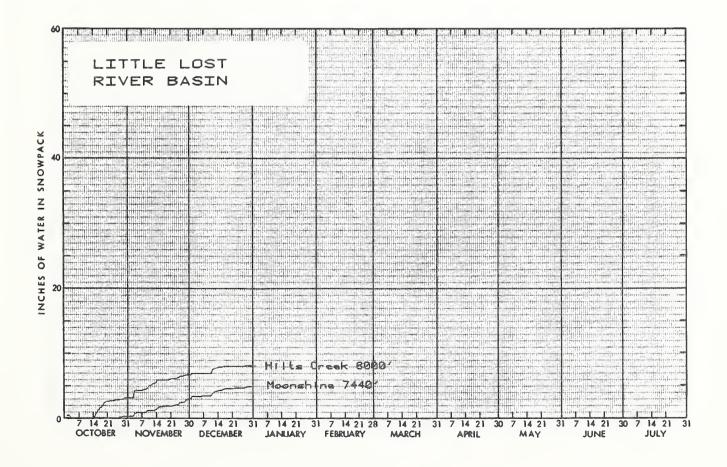


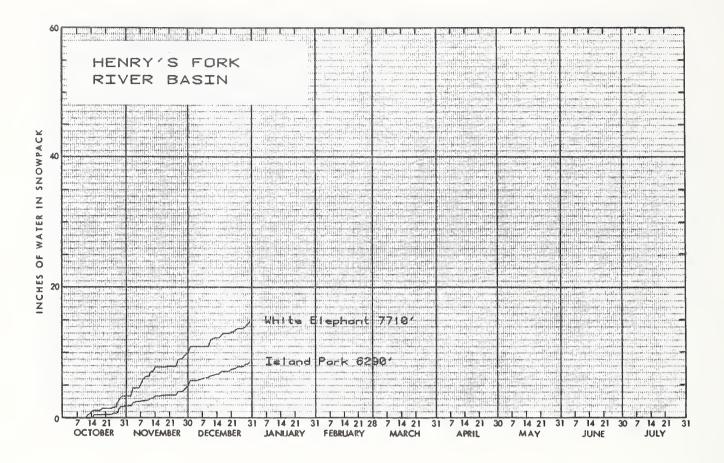


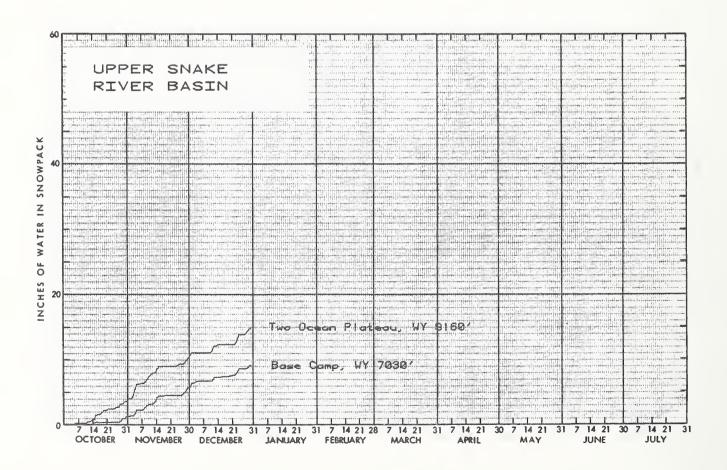


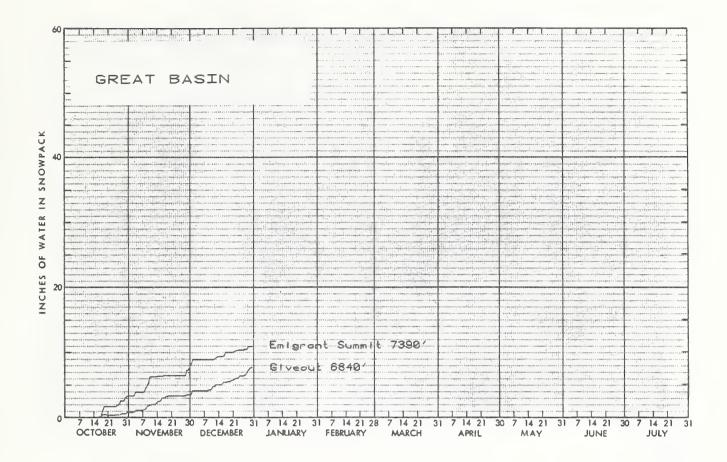


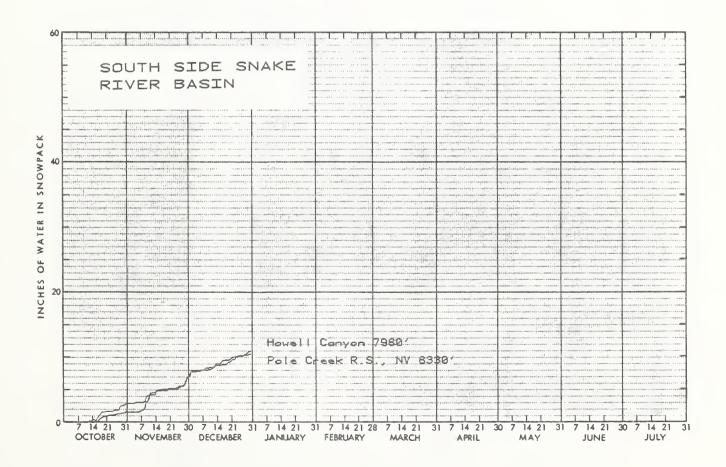


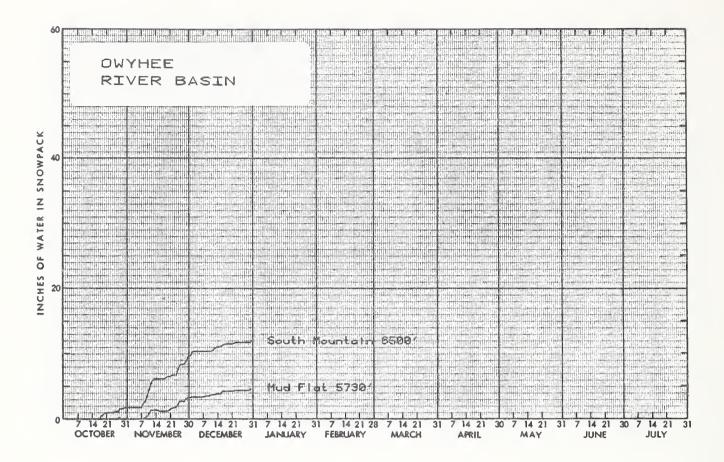


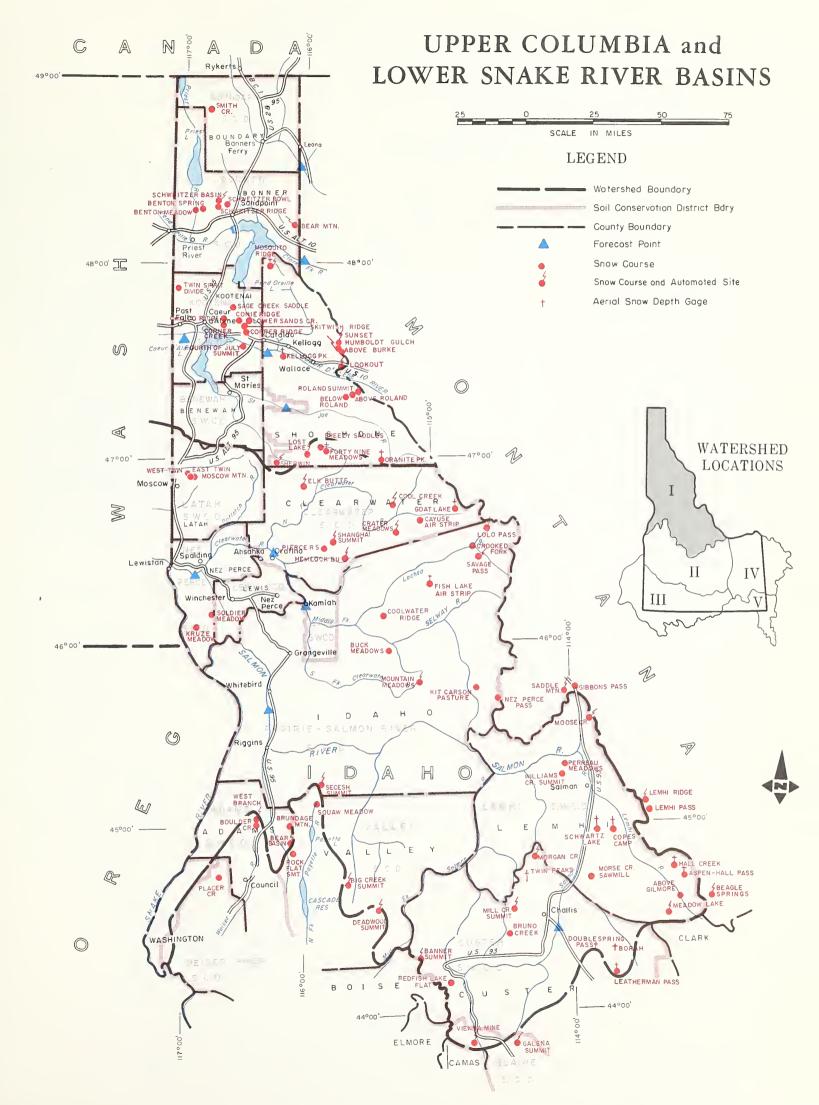












INDEX to SNOW COURSES

UPPER COLUMBIA BASIN

LOWER SNAKE BASIN

| No. | Stat | e Name | Sec. | Twp. | Rge. | Elev | No. | Stat | e Name | Sec. | Twp. | Rge. | Elev |
|-----------------|--------|-------------------------------------|----------|------------|----------|--------------|-----------------|--------|--------------------------------------|----------|------------|------------|--------------|
| NO. | SLat | .е наше | Lat. | And | Long. | Elev | NO. | SLaL | e Name | Lat. | And | Long. | LICV |
| | | | | | | | | | | | | | |
| | | KOOTENAI | RIVER | | | | | | PALOUSE RIV | ΞR | | | |
| 16A1 | I | Smith Creek | 29 | 64N | 3W | 4800 | 16C3 | I | East Twin | 13 | 40N | 5W | 4130 |
| | | PEND OREILLE-PE | RIESTI | RIVER | | | 16C2 16C4 | I | Moscow Mountain West Twin | 18 14 | 40N 40N | 4W 5W | 4410 4220 |
| | | | | | | | | | CLEARWATER RI | VER | | | |
| 16A8S 16A2 | I | Bear Mountain Benton Meadow | 9 27 | 57N 58N | 3E 4W | 5400 2370 | 15B20 | I | Breezy Saddle | 1 | 4 3N | 4E | 5010 |
| 16A3 | Ī | Benton Spring | 30 | 58N | 3W | 4920 | 15D5 | Ι | Buck Meadows | 27 | 31N | 8E | 5650 |
| 16A10S | Ī | Schweitzer Basin | 18 | 58N | 2W | 6090 | 15C3 | I | Cayuse Airstrip | 4 | 38N | 11E | 3500 |
| 16A6 | I | Schweitzer Bowl | 20 | 58N | 2W | 4800 | 15C16 | I | Cool Creek | 35 | 40N | 9E | 6280 |
| 16A5 | I | Schweitzer Ridge | 19 | 58N | 2W | 6200 | 15C7 15C9A | I I | Coolwater Mountain Crater Meadows | 31 11 | 33N 37N | 8E 9E | 6040 5960 |
| | | | | | | | 13C9A 14C11 | I | Crooked Fork | 27 | 37N | 9E 14E | 3610 |
| | | HAYDEN C | REEK | | | | 16C15S | Ī | Elk Butte | 6 | 40N | 3E | 5550 |
| | | | | | | | 15C2A | Ī | Fish Lake Airstrip | 34 | 35N | 11E | 5650 |
| 16B8 | I | Chilco Ridge | 1.5 | 52N | 2W | 3650 | 15B3A | I | Forty-nine Meadows | 6 | 43N | 5E | 4830 |
| 16B7 | I | Conie Ridge | 22 | 52N | 2W | 3900 | 14C9A | I | Goat Lake | 3 | 38N | 13E | 6500 |
| 16B9 | Ι | Corner Creek | 22 | 52N | 2W | 3150 | 15C6SR | I | Hemlock Butte | 7 | 36N | 7E | 5810 |
| 16B6 | I | Sage Creek Sadler | 10 | 52N | 2W | 4080 | 15C10S | M | Hoodoo Basin | 17 | 14N | 27W | 6000 |
| | | | | | | | 15C1 | M | Hoodoo Creek | 16 | 14N | 27W | 5900 |
| | | S P O K A N E I | RIVER | | | | 14D3 | I | Kit Carson Pasture | 4 | 27N | 15E | 4950 |
| | | | | | | | 16C17 | I | Kruze Meadows | 11 | 32N | 4W | 4780 |
| 15B8 | I | Above Burke | 11 | 48N | 5E | 4100 | 14C5S 15B14S | I | Lolo Pass Lost Lake | 16 9 | 38N 43N | 15E 4E | 5240 6110 |
| 15B7 | I | Above Roland | 35 35 | 47N 47N | 6E | 4350 | 15D6S | I | Mountain Meadows | 9 | 27N | 10E | 6360 |
| 15B6 16B2 | I I | Below Roland Copper Ridge | 6 | 50N | 6E 1W | 3920 4820 | 14D1 | M | Nez Perce Pass | 25 | 1S | 24W | 6570 |
| 16B2 | Ī | Fourth of July Summit | 6 | 49N | 1W | 3200 | 15C5 | I | Pierce Ranger Station | 2 | 36N | 5E | 3080 |
| 15B13A | Ī | Granite Peak | 4 | 42N | 8E | 6000 | 14C4S | I | Savage Pass | 18 | 36N | 15E | 6170 |
| 15B21S | Ī | Humboldt Gulch | 2 | 48N | 5E | 4250 | 15C4S | I | Shanghai Summit | 7 | 37N | 6E | 4600 |
| 16B5A | I | Kellog Peak | 19 | 48N | 3E | 5560 | 16C18 | I | Soldier Meadows | 33 | 33N | 3W | 4650 |
| 15B2S | I | Lookout | 4 | 47N | 6E | 5140 | 1 | | | | | | |
| 16B1 16A4AS | I | Lower Sands Creek Mosquito Ridge | 32 5 | 51N 54N | 1W 2E | 3120 5200 | | | SALMON RIVE | R | | | |
| 15B5A | Ι | Roland Summit | 26 | 47N | 6E | 5120 | 13E19 | I | Above Gilmore | 133 | 13N | 26E | 8240 |
| 16C1S | I | Sherwin | 28 | 42N | 1E | 3200 | 13E21A | I | Aspen-Hall Pass | 6 | 16N | 28E | 8200 |
| 16B11 | I | Skitwish Ridge | 6 33 | 50N 49N | 1W 5E | 4850 5540 | 16E11S | I | Bear Basin | 30 | 19N | 3E | 5350 |
| 15B9AS 16B12 | I | Sunset Twin Spirit Divide | 33 29 | 53N | 5W | 3480 | 15E2S | I | Big Creek Summit | 24 | 15N | 5E | 6580 |
| 10012 | | TWIN SPILIE DIVIGE | 2) | 3311 | 511 | 3400 | 13E8A | I | Borah | 21 | 10N | 23E 3E | 8250 7560 |
| | | | | | | | 16D6 14E08 | I | Brundage Mountain Bruno Creek | 6 25 | 19N 12N | 16E | 7920 |
| | | | | | | | 13E17 | Ī | Copes Camp | 36 | 18N | 22E | 7520 |
| | | | | | | | 13E25A | I | Double Springs Pass | 3 | 10N | 22E | 8400 |
| | | | | | | | 13D2 | M | Gibbons Pass | 4 | 2S | 19W | 7100 |
| | | | | | | | 13E20 | I | Hall Creek | 1 | 16N | 27E | 7560 |
| | | | | | | | 13E24A | I | Leatherman Pass | 20 | 9N | 23E | 9860 |
| | | | | | | | 13E1 | М | Lemhi Pass | 9 | 108 | 1.5W | 7480 |
| | | | | | | | 13E23S | M | Lemhi Ridge | 4 | 10S | 15W | 8100 9150 |
| | | | | | | | 13E18S 14E1S | I | Meadow Lake Mill Creek Summit | 26 8 | 13N 13N | 26E 17E | 8800 |
| | | | | | | | 13D16S | Ī | Moose Creek | 14 | 27N | 21E | 6200 |
| | | | | | | | 14E4S | I | Morgan Creek | 31 | 18N | 19E | 7600 |
| | | | | | | | 13E26 | Ī | Morse Creek Sawmill | 8 | 15N | 23E | 7120 |
| | | | | | | | 14D5 | Ī | Perreau Meadows | 23 | 21N | 20E | 8500 |
| | | | | | | | 14E7 | I | Redfish Lake Flat | 35 | 10N | 13E | 6560 |
| | | | | | | | 13E16 | I | Schwartz Lake | 34 | 18N | 22E | 8540 |
| | | | | | | | 14E3A | I | Twin Peaks | 28 | 15N | 17E | 9190 |
| | | | | | | | 14F4S | I | Vienna Mine | 1 | 5N | 13E | 8960 |
| | | | | | | | 14D4 | I | Williams Creek Summit | 34 | 21N | 20E | 7990 |
| | | | | | | | | | | | | | |

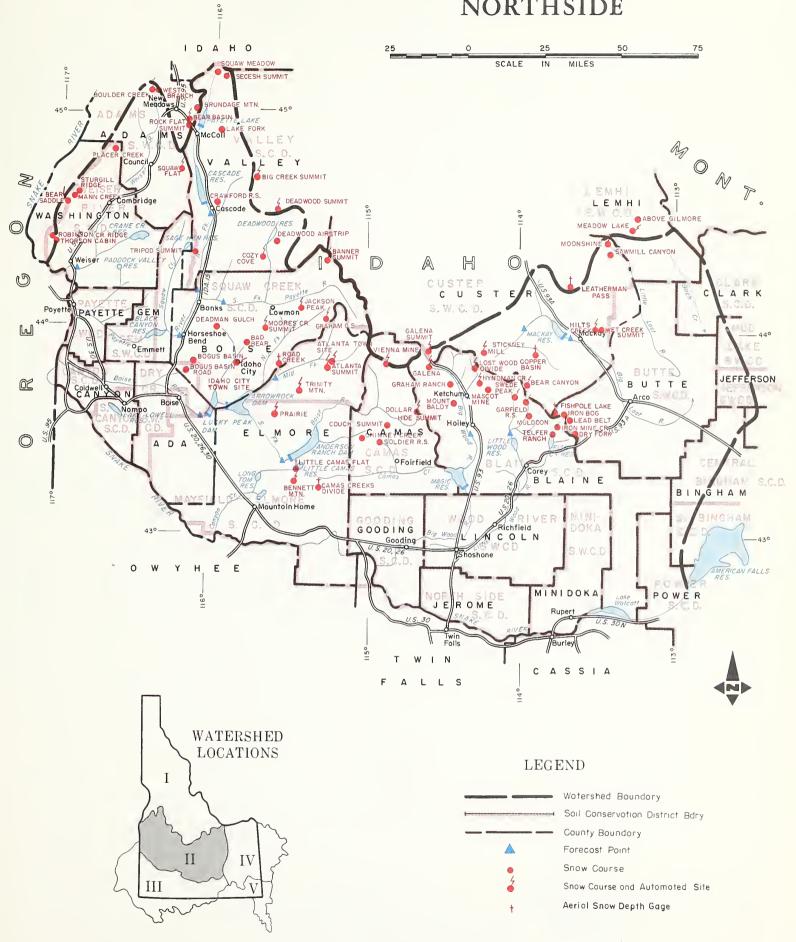
LEGEND

Numbering System (example)

Snow course only Snow course and/or aerial marker Snow course and snotel site Radioactive gage 10J7 10J7A 10J7S

10J7R

MIDDLE SNAKE RIVER BASIN NORTHSIDE



INDEX to SNOW COURSES

MIDDLE SNAKE RIVER BASIN NORTHSIDE

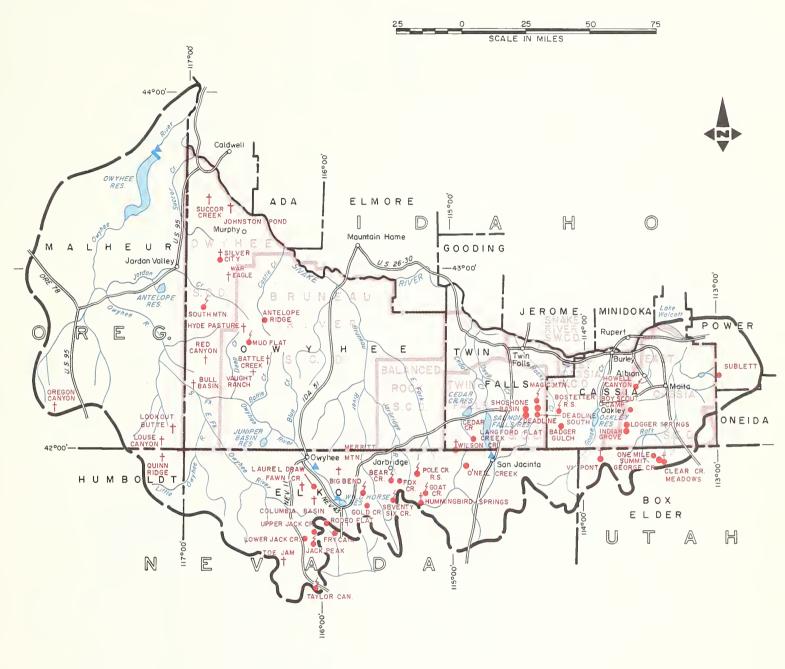
| No. | State Na | me $\frac{{\sf Sec.}}{{\sf Lat.}}$ | Twp. or And | $\frac{\text{Rge.}}{\text{Long.}}$ | Elev | No. | Sta | te Name | Sec. | Twp. or And | Rge. | Elev |
|--|------------------|------------------------------------|-------------------|------------------------------------|------|--------|-----|---------------------------------|-------|-------------------|------|------|
| LITTLE LOST RIVER BOISE RIVER (cont.) | | | | | | | | | | | | |
| 13E27S | I Hilts Creek | 15 | 8N | 25E | 8000 | 14F10 | I | Couch Summit | 9 | 2N | 14E | 6840 |
| 13E6S | I Moonshine | 31 | 13N | 26E | 7440 | 16F1 | Ī | Deadman Gulch | 29 | 7N | 4E | 5600 |
| 13E4 | I Sawmill Cany | | 12N | 26E | 7000 | 15F14S | Ī | Graham Guard Station | 9 | 7N | 10E | 5690 |
| 13E7 | I Wet Creek Su | | 8N | 25E | 7680 | 15F16 | Ī | Idaho City Townsite | 26 | 6N | 5E | 4000 |
| | | | | -5- | | 15E9S | Ī | Jackson Peak | 7 | 8N | 9E | 7070 |
| | | | | | | 15F1S | Ī | Moores Creek Summit | 19 | 7N | 7E | 6100 |
| | | | | | | 15F6S | Ī | Prairie | 13 | 2N | 7E | 4800 |
| | В | IG LOST RIVER | | | | 15F3 | Ī | Road Creek | 5 | 5N | 8E | 5380 |
| | | | | | | 15F5S | Ī | Trinity Mountain | 6 | 3N | 9E | 7770 |
| 13F3S | I Bear Canyon | 22 | 5N | 21E | 7900 | -5100 | - | 1111111 in an earli | J | 510 | , , | 7770 |
| 13F2 | I Copper Basin | | 6N | 21E | 7640 | | | CANYON C | REEK | | | |
| 13F20 | I Dry Fork | 23 | 3N | 23E | 7220 | 1 | | | | | | |
| 13F20 | I Fishpole Lak | | 4N | 22E | 9300 | 15F7S | I | Bennett Mountain | 7 | 2S | 9E | 6560 |
| 13F11 | I Iron Bog | 23 | 4N | 22E | 7650 | 15F12 | I | Little Camas Flat | 21 | 1S | 9E | 4940 |
| 13F11 | I Leadbelt | 34 | 4N | 23E | 6700 | | | | | | | |
| 14F3S | I Lost Wood Di | | 6N | 18E | 7900 | | | PAYETTE R | IVER | | | |
| 14F2S | I Stickney Mil | | 6N | 19E | 7430 | 15E11S | I | Banner Summit | 11 | 11N | 10E | 7040 |
| 14125 | 1 Stickney Hil | | OIN | 171 | 7430 | 16F2 | I | Bogus Basin | 16 | 5N | 3E | 6340 |
| | | | _ | | | 15E8S | Ī | Cozy Cove | 17 | 11N | 7E | 5380 |
| | В | IG WOOD RIVE | R | | | 15E3 | Ī | Crawford Ranger Station | 21 | 14N | 4E | 4860 |
| 15F9 | I Camas Creeks | Divide 11 | 2S | 9E | 5710 | 15E10 | Ī | Deadwood Airstrip | 8 | 11N | 7E | 5360 |
| 15F15 | I Chimney Cree | | 1N | 12E | 6400 | 15E4S | Ī | Deadwood Summit | 13 | 14N | 7E | 6860 |
| 14F8S | I Dollarhide S | | 3N | 15E | 8420 | 15E1 | Ī | Lake Fork | 3 | 18N | 4E | 5290 |
| 14F1 | I Galena | 4 | 6N | 15E | 7440 | 16E1 | Ī | Rock Flat Summit | 1 | 18N | 2E | 5310 |
| 14F17S | I Galena Snote | | 6N | 15E | 7470 | 15D1S | Ī | Secesh Summit | 4 | 21N | 4E | 6520 |
| 14F12S | I Galena Summi | | 6N | 15E | 8780 | 15D2 | Ī | Squaw Meadow | 17 | 21N | 4E | 5900 |
| 14F5 | I Graham Ranch | | 5N | 17E | 6270 | 16E3 | Ī | Tripod Summit | 17 | 11N | 3E | 5260 |
| 14F16S | I Hyndman Cree | | 4N | 19E | 7440 | 1005 | _ | Tripod Bummit | 1, | 1111 | 36 | 3200 |
| 14F7 | I Mascot Mine | 8 | 4N | 20E | 7780 | | | | | | | |
| 14F9 | I Mount Baldy | 23 | 4N | 17E | 8920 | | | WEISER RI | V E R | | | |
| 14F11 | I Soldier Rang | | 2N | 14E | 5740 | 16D1 | I | Boulder Creek | 16 | 20N | 1W | 5440 |
| 14111 | 1 0014101 114116 | er bedeson by | | | 3.10 | 16E2 | Ī | Placer Creek | 15 | 17N | 3W | 5860 |
| | | TIE WOOD DIV | | | | 16E5S | Ī | Squaw Flat | 32 | 17N | 2E | 6240 |
| | LII | TLE WOOD RIV | EK | | | 16D8S | Ī | West Branch | 15 | 20N | 1W | 5560 |
| 13F4S | I Garfield Ran | ger Station 11 | 3N | 21E | 6560 | | _ | | _5 | | | |
| 13F5 | I Muldoon | 26 | 3N | 21E | 6320 | | | | | | | |
| 13F9S | I Swede Peak | 4 | 3N | 21E | 7640 | | | MANN CR | EEK | | | |
| 20175 | I bwede Ieak | , | 511 | | 7040 | 6E10S | I | Bear Saddle | 29 | 15N | 5W | 6180 |
| | | 51611 65551 | | | | 16E9 | I | Mann Creek | 29 | 15N | 5W | 6080 |
| | | FISH CREEK | | | | 17E1 | I | | 20 | 14N | 6W | 6220 |
| 13F10 | I Iron Mine Cr | eek 33 | 3N | 23E | 6300 | 16E8 | I | Robinson Creek Ridge | 28 | 15N | 5W | 6680 |
| 13F6 | I Telfer Ranch | 7 | 2N | 23E | 5840 | 17E2 | I | Sturgill Ridge Thorson Cabin | 12 | 14N | 6W | 5320 |
| 1310 | I ICIICI Ranch | , | 211 | 231 | 3040 | 1/62 | Т | Indison Capin | 12 | 14N | OW | 3320 |
| | | BOISE RIVER | | | | | | | | | | |
| 15F17 | I Atlanta Town | site 3 | 5N | 11E | 5370 | | | | | | | |
| 15F4S | I Atlanta Summ | | 5N | 10E | 7580 | | | | | | | |
| 15F2 | I Bad Bear | 35 | 7N | 6E | 4940 | | | | | | | |
| 16F4 | I Bogus Basin | | 5N | 3E | 5540 | | | | | | | |
| 1014 | r nogus nasili | noau J2 | MC | JL | 2340 | | | | | | | |

LEGEND

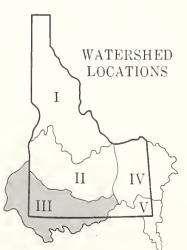
Numbering System (example)

| 10J7 | Snow | course | only | | | |
|-------|-------|--------|---------|------|-----|--------|
| 10J7A | Snow | course | and/or | aeri | a1 | marker |
| 10J7S | Snow | course | and sno | ote1 | sit | :e |
| 10J7R | Radio | active | gage | | | |

MIDDLE SNAKE RIVER BASIN SOUTHSIDE







S-FORT WORTH, TEXAS 1985 M7-0 L-22023-

INDEX to SNOW COURSES

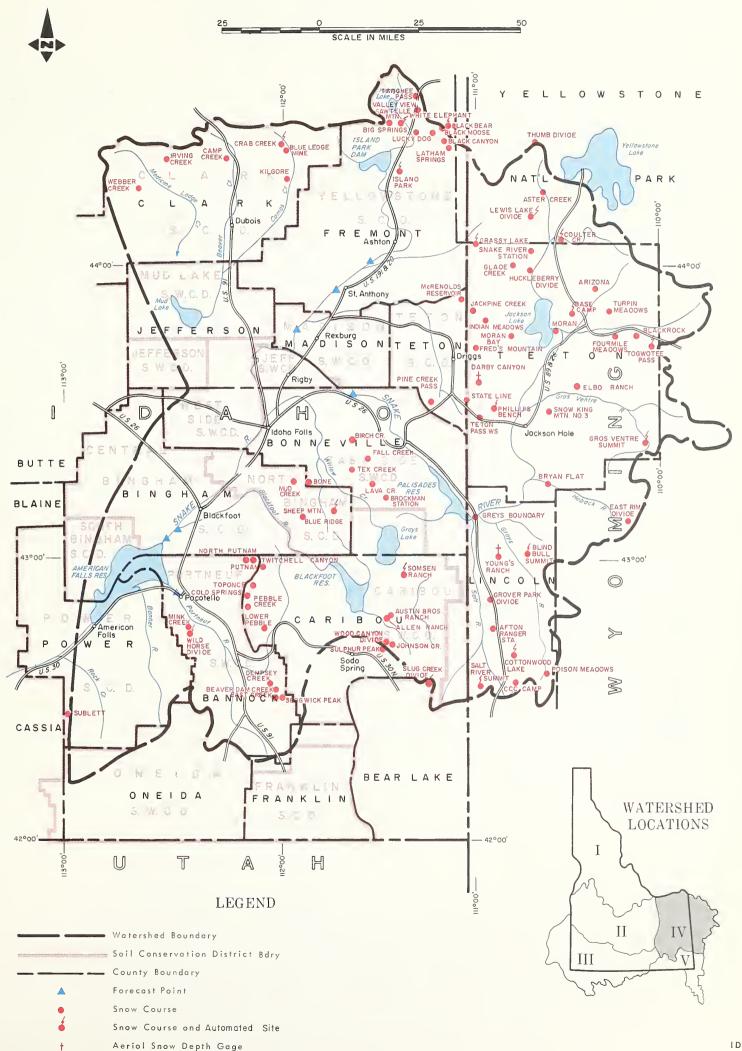
MIDDLE SNAKE RIVER BASIN SOUTHSIDE

| | | | Sec. | Twp. | Rge. | |
|-----------------|----------|---|-----------|------------|------------|--------------|
| No. | State | Name | Lat. | And | Long. | Elevation |
| | | RAFT RIVER | | | | |
| | | KATT KITTE | | | | |
| 13G2 | I | Boy Scout Camp | 8 | 14S | 24E | 7740 |
| 13H2 | U | Clear Creek Meadows | 26 | 14N | 14W | 9420 |
| 13H5 | Ū | George Creek | 26 | 14N | 14W | 8840 |
| 13G1S 13G4 | I I | Howell Canyon Indian Grove | 2 14 | 13S | 24E | 7980 |
| 13G4 13G3 | I | Logger Springs | 2 | 15S 15S | 23E 23E | 7560 8120 |
| 13H1 | Ū | One Mile Summit | 17 | 14N | 14W | 7330 |
| 12G8 | I | Sublett | 17 | 12S | 30E | 5950 |
| | | GOOSE - TRAPPER | CREEK | | | |
| 14G3 | I | Badger Gulch | 24 | 15S | 19E | 6660 |
| 14G1S 13H3A | - I U | Bostetter Ranger Station Vi Pont | 35 17 | 14S 14N | 19E 17W | 7500 7670 |
| 131134 | Ü | SALMON FALLS (| | 141 | 1/W | 7070 |
| 14G5 | I | Cedar Creek | 26 | 15S | 13E | 6800 |
| 14G3 14G4 | I | Deadline | 25 | 138 148 | 13E | 6900 |
| 14G10 | I | Deadline South | 25 | 14S | 18E | 7450 |
| 15H13S | | Goat Creek | 31 | 46N | 60E | 8880 |
| 14G08 | I | Langford Flat Creek | 8 | 15S | 18E | 5980 |
| 14G2S | I | Magic Mountain | 25 | 14S | 18E | 6880 |
| 15H19 | N | O'Neil Creek | 21 | 46N | 61E | 6540 |
| 14G6 | I | Shoshone Basin | 24 | 14S | 17E | 5810 |
| 15G2 | I | Wilson Creek BRUNEAU RIVE | 24 = p | 16S | 12E | 7500 |
| | | BROMEAU KIVI | - N | | | |
| 15H1S | N | Bear Creek | 31 | 46N | 58E | 8040 |
| 15H2 | N | Fox Creek | 33 | 46N | 58E | 6750 |
| 15H15 15H14S | N N | Hummingbird Springs Pole Creek Ranger Station | 12 13 | 45N 46N | 59E 59E | 8870 8330 |
| 15H145 | N | Seventy-six Creek | 6 | 44N | 58E | 7100 |
| | | OWYHEE RIVE | R | | | |
| 16G6 | I | Antelope Ridge | 3 | 9S | 1W | 6180 |
| 16G9A | I | Battle Creek | 10 | 11S | 1E | 5720 |
| 15H4S | N | Big Bend | 30 | 45N | 56E | 6700 |
| 16G10A | | Bull Basin | 29 | 12S | 5W | 5460 |
| 16H6A | N | Columbia Basin | 31 | 44N | 53E | 6650 |
| 16H8A 15H7 | N N | Fawn Creek | 2 | 45N | 52E | 7000 |
| 15H5 | N | Fry Canyon Gold Creek | 31 32 | 43N 45N | 54E 56E | 6700 6600 |
| 16G5A | I | Hyde Pasture | 31 | 8S | 2W | 5760 |
| 16H4S | N | Jacks Peak | 21 | 42N | 53E | 8420 |
| 16F5A | I | Johnston Pond | 5 | 4S | 4W | 6700 |
| 16H5S | N | Laurel Draw | 20 | 45N | 53E | 6700 |
| 17G6A | 0 | Lookout Butte | 2 | 40S | 47E | 5650 |
| 17G4A | 0 | Louse Canyon | 27 | 40S | 44E | 6440 |
| 16H1M | N | Lower Jack Creek | 18 | 42N | 53E | 6800 |
| 15H2OA 16G7S | N I | Merritt Mountain Mud Flat | 10 34 | 46N | 54E 2W | 7000 |
| 17G5A | 0 | Oregon Canyon | 8 | 9S 40S | 40E | 5730 6950 |
| 17H6A | N | Quinn Ridge | 9 | 47N | 41E | 6300 |
| 16G11A | | Red Canyon | 32 | 118 | 4W | 6650 |
| 15H6M | N | Rodeo Flat | 36 | 43N | 53E | 6800 |
| 16F3 | I | Silver City | 7 | 5S | 3W | 6400 |
| 16G1S | I | South Mountain | 35 | 7S | 5W | 6500 |
| 16F6A | I | Succor Creek | 25 | 3S | 5W | 6100 |
| 15H9S | N | Taylor Canyon | 35 | 39N | 53E | 6200 |
| 16H7A | N | Toe Jam | 29 9 | 40N | 50E | 7700 |
| 16H2 16G12A | N I | Upper Jack Creek Vaught Ranch | 23 | 42N 11S | 53E 1W | 7250 5830 |
| 16G12A | | War Eagle | 16 | 5S | 3W | 7720 |
| TOOTOM | _ | Dubic | 10 | 20 | 311 | , , 20 |

LEGEND

Numbering System (example)

10J7 Snow course only 10J7A Snow course and/or aerial marker 10J7S Snow course and snotel site 10J7R Radioactive gage



INDEX to SNOW COURSES

UPPER SNAKE RIVER BASIN

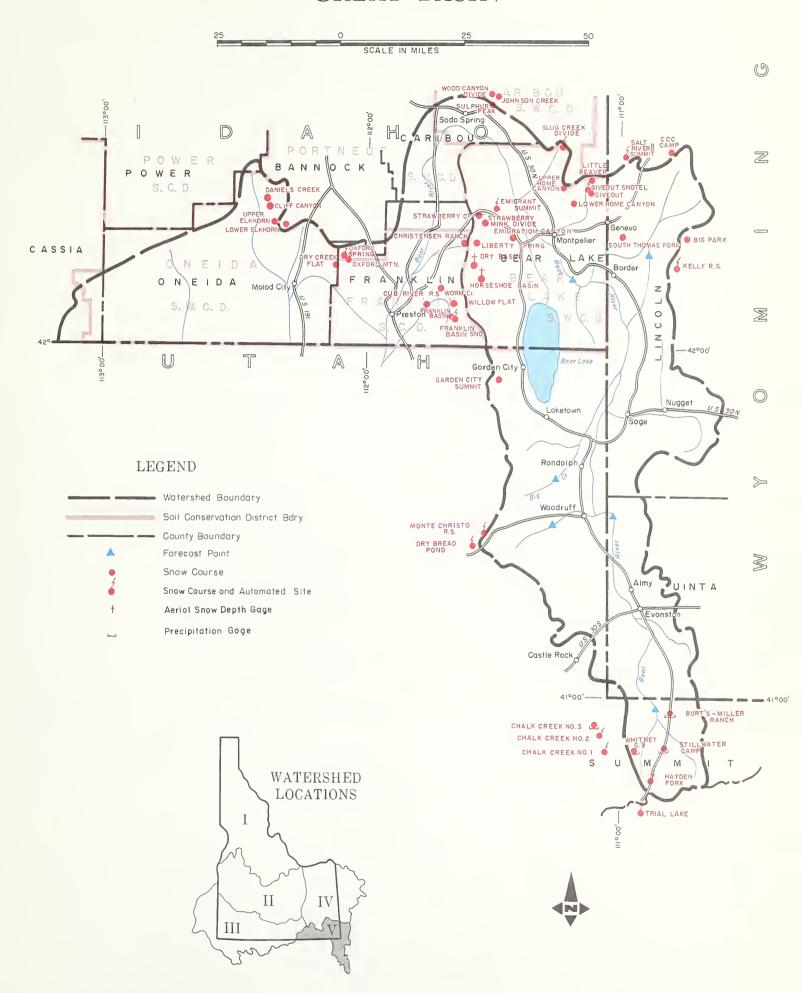
| | | | | | | | ı | | | | | | |
|-------------------|-----------|--------------------------------------|---------------------------------------|------------|-----------------------------|--------------|-----------------|-----|--------------------------------|----------|----------|------------|--------------|
| NT - | 04-4 | N | Sec. | Twp. | Rge. | | l | | | Sec. | Twp. | Rge. | |
| No. | Stat | e Name | Lat. | And | Long. | Elev | No. | Sta | te Name | Lat. | And | Long. | Elev |
| | | | | | | | | | | | | 201.6 | |
| | | | | | | | | | | | | | |
| | | SNAKE RIVER-W | YOMIN | 1 G | | | | | CAMAS-BEAVE | R CREE | K | | |
| 10G4 | Wy | Afton Ranger Station | 30 | 32N | 118W | 6240 | 11E11 | I | Blue Ledge Mine | 21 | 13N | 38E | 6900 |
| 10F1 | Wy | Arizona | 3 | 46N | 115W | 6820 | 12E3 | I | Camp Creek | 21 | 13N | 36E | 6580 |
| 10E8 | Wy | Aster Creek | 44017 | | 110°38' | | 11E37S | I | Crab Creek | 21 | 13N | 38E | 6860 |
| 10F2S 10F7S | Wy Wy | Base Camp Blackrock | 20 4 | 46N 44N | 113W | 7030 8900 | 11E12 | I | Kilgore | 6 | 12N | 39E | 6320 |
| 10F73 | Wy | Blind Bull | 6 | 34N | 111W 115W | 8650 | 1 | | MEDICINE LODG | GE CRE | FK | | |
| 10F14 | Wy | Bryan Flat | 9 | 38N | 115W | 6420 | | | | | | | |
| 10G7 | Wy | CCC Camp | 9 | 29N | 118W | 7000 | 12E4 | I | Irving Creek | 8 | 13N | 33E | 7280 |
| 10G5S 10E10S | Wy Wy | Cottonwood Lake Coulter Creek | 25 44 ⁰ 10 ¹ | 31N | 118W 110°33' | 7600 7020 | 12E5 | I | Webber Creek | 23 | 12N | 32E | 6700 |
| 10F17 | Wy | East Rim Divide | 32 | 37N | 111W | 7930 | | | WILLOW CR | CEV | | | |
| 10F28 | Wy | Elbo Ranch | 25 | 43N | 115W | 7100 | | | WILLOW CR | LEK | | | |
| 10F6 | Wy | Four Mile Meadows | 35 | 45N | 112W | 7860 | 11F3 | Ι | Birch Creek | 36 | 2N | 41E | 6800 |
| 10E13 | Wy | Glade Creek | 12 | 48N | 116W | 7040 | 11F8 | I | Bone | 29 | 1S | 40E | 6200 |
| 10F18 10F19S | Wy Wy | Greys Boundary Gros Ventre Summit | 33 36 | 37N 40N | 118W 111W | 5720 8750 | 11F16 11F19 | I | Brockman Station Fall Creek | 19 32 | 2S 2N | 43E 42E | 6430 6820 |
| 10F195 | Wy | Grover Park Divide | 27 | 33N | 111W | 7000 | 11F15 | Ī | Lava Creek | 27 | 1S | 42E | 7350 |
| 10E14 | Wy | Huckleberry Divide | 32 | 48N | 115W | 7300 | 11F14 | I | Mud Creek | 4 | 2S | 39E | 7100 |
| 10E9S | Wy | Lewis Lake Divide | 440121 | | 110040 | 7850 | 11F11S | I | Sheep Mountain | 30 | 25 | 41E | 6570 |
| 10F4 | Wy | Moran | 19 | 45N | 114W | 6750 | 11F5 | I | Tex Creek | 36 | 1N | 41E | 6650 |
| 10F3 | Wy | Moran Bay | 14 29 | 45N | 116W | 6810 | | | BLACKFOOT | RIVER | | | |
| 10G6 10G8S | Wy Wy | Poison Meadows Salt River Summit | 32 | 30N 29N | 116W 118W | 8500 7700 | 11G35 | I | Allen Ranch | 28 | 7S | 43E | 6470 |
| 10E12 | Wy | Snake River Station | 9 | 48N | 115W | 6920 | 11G35 | Ī | Austin Brothers Ranch | 28 | 7S | 43E | 6400 |
| 10F20 | Wy | Snow King Mountain #3 | 4 | 40N | 116W | 7660 | 11F17 | I | Blue Ridge | 35 | 25 | 39E | 6780 |
| 10E7 | Wy | Thumb Divide | 44 ⁰ 22 1 | | 110034 | | 11G36 | I | Johnson Creek | 4 | 95 | 43E | 6730 |
| 10F9S | Wy | Togwotee Pass | 28 | 44N 45N | 110W | 9580 | 11G5S | I | Slug Creek Divide | 15 25 | 10S | 44E | 7225 |
| 10F5 10G1A | Wy Wy | Turpin Meadows Young's Ranch | 14 26 | 34N | 112W 116W | 6900 6650 | 11G1S 11G31 | I | Somsen Ranch Sulphur Peak | 25 8 | 5S 9S | 43E 43E | 6800 7070 |
| 100111 | , | Today 5 Ranen | 20 | 3411 | 11011 | 0050 | 11G37 | I | Wood Canyon Divide | 5 | 9S | 43E | 7450 |
| | | HENRY'S FORK | < RIVE | ? | | | | | | | | | |
| 11E9 | I | Big Springs | 4 | 13N | 44E | 6400 | | | FORT PORTNEU | IF RIVE | E R | | |
| 11E35S | M | Black Bear | 27 | 15S | 5E | 7950 | 12G21 | Ι | Beaverdam Creek | 22 | 10S | 38E | 6120 |
| 11E18 | I | Black Canyon | 11 | 13N | 45E | 7960 | 12G16 | Ī | Cold Springs | 15 | 7S | 37E | 7000 |
| 11E19 | I | Black Moose | 33 | 14N | 45E | 8160 | 12G5 | I | Dempsey Creek | 18 | 10S | 38E | 6100 |
| 110E15S 11E10S | S Wy I | Grassy Lake Island Park | 18 28 | 48N 13N | 116W 43E | 7265 6290 | 11G34 | I | East Creek | 26 | 10S | 38E | 7000 |
| 11E16 | I | Latham Springs | 9 | 13N | 45E | 7630 | 12G6 12G1 | I | Lower Pebble Mink Creek | 7 33 | 8S 7S | 38E 34E | 5780 6410 |
| 11E14 | Ī | Lucky Dog | 2 | 13N | 44E | 6860 | 12G20 | Ī | North Putnam | 29 | 5S | 37E | 7240 |
| 11E32 | I | Sawtell Mountain | 7 | 14N | 43E | 8720 | 12G2 | I | Pebble Creek | 35 | 7S | 37E | 6400 |
| 11E34 | Ι | Targhee Pass | 32 | 16N | 44E | 6980 | 12G14 | I | Putnam | 2 | 6S | 37E | 7220 |
| 11E8 | I | Valley View | 12 17 | 15N | 4 3E | 6680 | 11G30 | I | Sedgwick Peak | 30 | 10S | 39E | 7850 |
| 11E36S | I | White Elephant | 17 | 14N | 43E | 7710 | 12G15 12G19 | I | Toponce Twitchell Canyon | 23 21 | 6S 5S | 37E 37E | 6160 6300 |
| | | TETON RIY | y E R | | | | 12G19 12G17S | I | Wildhorse Divide | 4 | 8S | 34E | 6490 |
| 10F21A | Wy | Darby Canyon | 28 | 43N | 118W | 8250 | | | | | | | |
| 10F22 | Wy | Freds Mountain | 12 | 44N | 118W | 8000 | | | | | | | |
| 10F25 | Wy | Indian Meadows | 33 | 46N | 117W | 8240 | 1 | | | | | | |
| 10F26 | Wу | Jackpine Creek | 15 | 46N | 118W | 7350 | | | | | | | |
| 11F12 10F23S | I Wy | McRenolds Reservoir Phillips Bench | 5 43 0 31 ' | 7N | 46E 110 ⁰ 55' | 6720 8200 | | | | | | | |
| 10F233 | I | Pine Creek Pass | 24 | 3N | 44E | 6810 | | | | | | | |
| 11F1 | Ī | State Line | 32 | 3N | 46E | 6660 | | | | | | | |
| 10F24 | Wy | Teton W. S. | 43 ^o 30 ¹ | | 110°59' | 7740 | | | | | | | |
| | | | | | | | | | | | | | |

LEGEND

Numbering System (example)

| 10J7 | Snow cours | se only |
|-------|------------|-------------------------|
| 10J7A | Snow cours | se and/or aerial marker |
| 10J7S | Snow cours | se and snotel site |
| 10J7R | Radioacti | re gage |

GREAT BASIN



1 SCS-FORT WORTH, TEXAS 1985 M7-0 L-22023-5

INDEX to SNOW COURSES

GREAT BASIN

| 27 - | g., . | | Sec. | Twp. | Rge. | |
|------------------|---------|---|----------|------------|------------|--------------|
| No. | State | Name | Lat. | And | Long. | Elevation |
| | | | | | | |
| | | BEAR RIVER | | | | |
| 10G11 | Wy | Big Park | 7 | 27N | 117W | 8620 |
| 11H13S 11G7 | U I | Dry Bread Pond Emigration Canyon | 19 24 | 8N 12S | 4E 42E | 8350 6500 |
| 11H7P | U | Garden City Summit | 35 | 14N | 4E | 7600 |
| 10J6P | U | Burts-Miller Ranch | 19 | 3N | 10E | 7900 |
| 10J7P | U | Hayden Fork | 25 | 1N | 9E | 9400 |
| 10G12S 11H12P | Wy U | Kelly Ranger Station Monte Cristo R. S. | 1 4 | 26N 8N | 118W 4E | 8200 8960 |
| 10G19 | Wy | South Thomas Fork | 27 | 27N | 119W | 7840 |
| 10J17P | บุ | Stillwater Camp | 32 | 2N | 10E | 8550 |
| 10J28P | U | Whitney G. S. | 4 | IN | 9E | 9300 |
| | | MONTPELIER CF | DEEV | | | |
| | | MONTFELTER CF | KEEK | | | |
| 11G16 | I | Giveout | 2 | 12S | 45E | 6840 |
| 11G33S | I | Giveout Snotel | 2 | 12S | 45E | 6930 |
| 11G20 | I | Little Beaver | 27 | 11S | 45E | 6970 |
| 11G27 11G26 | I I | Lower Home Canyon Upper Home Canyon | 17 31 | 12S 11S | 45E 45E | 7640 8560 |
| 11020 | - | | | 110 | 431 | 0500 |
| | | MINK CREEK | | | | |
| 11G11 | I | Christensen Ranch | 27 | 13S | 41E | 5560 |
| 11G14A 11G6S | I T | Dry Basin Emigrant Summit | 30 21 | 13S 12S | 42E 42E | 7820 7390 |
| 11G15A | Ī | Horseshoe Basin | 31 | 13S | 42E | 8000 |
| 11G13 | I | Liberty Spring | 7 | 13S | 42E | 8600 |
| 11G9 | I | Strawberry Creek | 9 | 13S | 41E | 5820 |
| 11G10 | I | Strawberry Mink Divide | 14 | 13S | 41E | 6720 |
| | | CUB RIVER | | | | |
| 11G12 | I | Cub River Ranger Station | 9 | 15S | 41E | 5450 |
| 11G8 | I | Franklin Basin | 1 | 16S | 41E | 8040 |
| 11G32S | I | Franklin Basin Sno | 7 | 16S | 42E | 8170 |
| 11G4 11G28 | I I | Willow Flat Worm Creek | 11 28 | 15S 14S | 41E 41E | 6070 6620 |
| 11020 | - | | | 140 | 712 | 0020 |
| | | MALAD RIVE | R | | | |
| 12G13 | I, | Cliff Canyon | 13 | 12S | 35E | 7200 |
| 12G12 | I | Daniels Creek | 11 | 12S | 35E 37E | 6270 6360 |
| 12G4 12G11 | I I | Dry Creek Flat Lower Elkhorn | 33 30 | 13S 12S | 37E 36E | 6960 |
| 12G11 12G3 | I | Oxford Mountain | 27 | 13S | 37E | 6800 |
| 12G18S | Ī | Oxford Spring | 27 | 13S | 37E | 6740 |
| 12G10 | I | Upper Elkhorn | 25 | 12S | 35E | 7140 |
| | | | | | | |

LEGEND

Numbering System (example)

| 10J7 | Snow course only |
|-------|----------------------------------|
| 10J7A | Snow course and/or aerial marker |
| 10J7S | Snow course and snotel site |
| 10J7R | Radioactive gage |
| 10J7P | Precipitation gage |

GOVERNMENT AGENCIES

State

Idaho Department of Water Resources Oregon State Engineer and Corps of State Watermasters

Federal

Montana Cooperative Snow Surveys Nevada Cooperative Snow Surveys Oregon Cooperative Snow Surveys Utah Cooperative Snow Surveys Wyoming Cooperative Snow Surveys

- U.S. Army Corps of Engineers
- U.S. Department of Agriculture Forest Service
- U.S. Department of Commerce NOAA, National Weather Service
- U.S. Department of Interior
 Bureau of Reclamation
 Water Resources Division, Geological Survey
 Shoshone-Bannock Tribal Council

PUBLIC UTILITIES

Washington Water Power Company Idaho Power Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control
Valley Soil Conservation District
Portneuf Soil and Water Conservation District
East Cassia Soil and Water Conservation District
West Cassia Soil and Water Conservation District
Camas Soil and Water Conservation District
Lewiston Orchards Irrigation District

PRIVATE ORGANIZATIONS

FMC Corporation
Cyprus Mining Company
Les Bois Resort

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

ROOM 345 304 N. 8TH ST. BOISE, IDAHO 83702

THIRD CLASS-BULK RATE POSTAGE AND FEES PAID

USDA - SCS PERMIT NO. G-267

> OFFICIAL BUSINESS PENALTY FOR PRIVATE USE, \$300

FEDERAL - STATE - PRIVATE

COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"The Conservation of Water begins with the Snow Survey"

USDA NATIONAL AGRICULTURAL LIBRARY CURRENT SERIAL RECORD BELTSVILL, MD 20705